# **Digicom® Ark3000 Series**

## Powerful Video Wall Processor for Real-time Display



VTRON's Digicom<sup>®</sup> Ark3000 series is a powerful video wall processor capable of driving up to 336 display units fulfilling all demanding 24/7 control room visualisation needs. With bandwidth reaching n x 280Gbps and its Real-time Intelligent Exchange Transmission (RIET) technology, the Digicom<sup>®</sup> Ark3000 series supports real-time display. Featuring its genuine hot swappable processing boards and redundant power supplies and fans, the Digicom<sup>®</sup> Ark3000 series assures easy and minimum maintenance.



#### Real-time Intelligent Exchange Transmission (RIET) technology

- Each signal and ultra-high resolution desktop is allocated to a dedicated high-speed data channel for parallel processing and real-time transmission
- Displays up to 1,334 hardwired real-time windows simultaneously with no frame lost



#### High reliability

- Power supply<sup>1</sup> and cooling fans are redundant for reliability and 24/7 operation
- Core components are monitored in real-time, automatically detecting and alerting mechanism
- Failure of desktop will not close all signal windows on the video wall
- Instant image recovery (MTTR≤40s) after the processing board is hot swapped







#### Powerful processing and scalability

- · Innovative modular design has strong scalability that expansion is easy
- Supports different signals (DVI / analog RGB / video / Network PC signal / IP streaming video / HDMI / SDI / Dual Link DVI / DisplayPort / fiber-optic)
- Fiber-optic architecture supports up to 300 meters signal transmission from the sources to Digicom<sup>®</sup> Ark3000 series and another 300 meters from the processor to video walls. It also supports hardwired real-time signal sharing among several Digicom<sup>®</sup> Ark3000 processors of which the distance is up to 300 meters. High image quality and security are assured.
- Up to 336 outputs
- Up to 336 Dual link DVI / DisplayPort inputs
- Up to 1,008 DVI / analog RGB / video / HDMI inputs
- Up to 672 SDI / fiber-optic inputs
- With the audio processing board, Digicom® Ark3000 series supports audio-video output synchronization.
- With Digicom<sup>®</sup> SMA3100, Digicom<sup>®</sup> Ark3000 series can be upgraded to a hybrid processing system which supports both hardwired real-time signal output and IP signal output (to other processors/ decoders in the same network).



#### Flexible modular design

Digicom<sup>®</sup> Ark3000 series meets different applications when it works with Digicom<sup>®</sup> Magic processors. All functional modules possess their own resources independently.

#### Digicom<sup>®</sup> Magic3100/3000

- · Provides ultra-high resolution desktop
- · Supports most of industrial application software
- · Front panel display for fan, temperature and power supply monitoring

#### Digicom<sup>®</sup> Magic7000

- · Provides ultra-high resolution desktop
- · Supports multi-layer GIS and 3D applications
- Supports up to 64 outputs with Digicom<sup>®</sup> Ark3300SP processors
- · Front panel display for fan, temperature and power supply monitoring

Video wall system with 2-16 cubes

Ark3100SP + Magic3000

Video wall system with 2-32 cubes



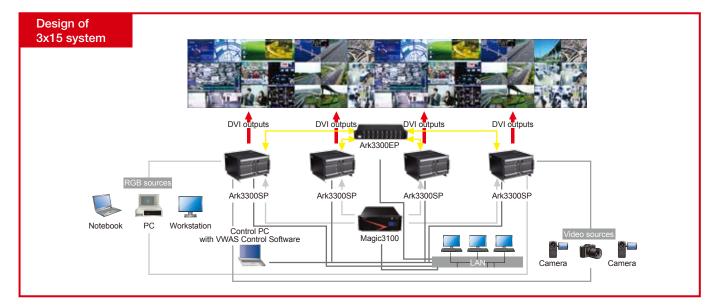
Ark3200SP + Magic3000



Video wall system with 2-336 cubes



Ark3300SP + Magic3100 + Ark3300EP





### VTRON's software

#### VTRON Video Wall Management System (VWAS/VCMS/VEMS) provides:

Window operation management

- Open/close/resize/move the signal windows
- Window properties
- System information management
- Log management
- Operating information
- Warning information

Hardware device management

- · VTRON video wall and processor management
- Matrix switch management
- Multi-function device management
- · Digital signal server management
- Signal source management

#### Layout management

- Create/save/delete display layout
- · Launch display layout
- Scheduling of layouts

Allowed third party device controls

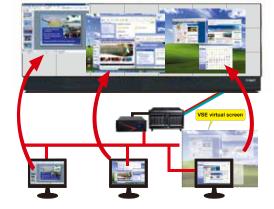
- Launch display layout
- On/off VTRON video wall

With VIS Basic software, the operator can use its mobile device to carry out following functions:

- · Signal window operation (open, close, resize, move, full screen, tile, signal search, etc)
- Turn on/off VTRON video wall(s)
- · Video wall list, mode list, mode execution
- · Gesture control the signal window

VLinkExpress, a high performance screen captured software:

- It allows multiple Windows<sup>®</sup> based desktops on client PCs to be captured via LAN and displayed on the display wall.
- The proprietary screen captured algorithm provides high speed and high performance capturing of desktop images. Its performance is several times higher than other 3rd party screen captured software.
- The screen captured by VLinkExpress can be resized, moved or opened/ closed on the VWAS/VCMS/VEMS.
- The content of captured screen can be accessed by using mouse and keyboard.



**VSE (Virtual Screen Explorer)** is based on proprietary software solution for projecting the Windows<sup>®</sup> based client PC's super high resolution application. Customer's applications are also captured and processed by VLinkExpress on same workstation and via network projecting the image to the display wall:

- It provides a virtual platform for running customer's super high resolution application, mapping pixel-to-pixel of the application and projecting super high resolution image to large video wall via VLinkExpress.
- Many times higher performance than any conventional graphic card output.
- High performance processing algorithm and less loading to the CPU of video wall processor.







#### Technical Specifications

Fechnical Specifications					
Number of lands	Digicom <sup>®</sup> Ark3300SP		Digicom® Ark3200SP / 3100SP		
Number of inputs	1008 max. video or DVI / VGA / HDMI 336 max. Dual Link DVI / DisplayPort / 672 max. SDI		96 max. / 48 max. video or DVI / VGA / HDMI 32 max. / 16 max. Dual Link DVI / DisplayPort, 64 max. / 32 max. SDI		
Video input board (optional)	8 input board slots per chassis 6 channels per board, CVBS		8 input board slots per chassis		
	Input format: NTSC (30fps), PAL (25fps) Signal input connector: BNC				
	Hot swappable module with instant image recovery				
RGB input board (optional)	6 channels per board Up to 1920x 1200@60Hz				
	Signal input connector: DVI-D or VGA or 5BNC Hot swappable module with instant image recovery				
HDMI input board (optional)	6 channels per board, HDMI V1.3a				
	Support HDCP standard protection protocol Max.resolution of 1920 x 1080 @ 60Hz x				
	Signal input connector: HDMI Hot swappable module with instant image recovery				
Dual link DVI input board (optional)	2 channels per board				
	Max. resolution of 4088 x 4088 Signal input connector: DVI-D				
DisplayPort input board (ontional)	Hot swappable module with instant image recovery 2 channels per board, DP V1.1a				
DisplayPort input board (optional)	Max. resolution of 4096 x 4096				
	Signal input connector: DisplayPort Hot swappable module with instant image recovery				
SDI input board (optional)	4 channels per board Support HD-SDI, 3G-SDI, SD-SDI				
	Signal input connector: BNC				
Fiber-optic input board (optional)	Hot swappable module with instant image recovery 4 channels per board				
	Max. resolution of 1920 x 1080 @ 60Hz				
	Signal input connector: fiber-optic LC Hot swappable module with instant image recovery				
IP input board <sup>2</sup> (optional)	Up to 4 channels of 1920 x 1080 @ 60Hz per board Support standard H.264 and standard RTSP				
	Support resolution: 1080P, D1				
	Signal connector: RJ45 Hot swappable module with instant image recovery				
Audio processing board <sup>3</sup> (optional)	4 channels of dual track or 8 channels of single track Support audio signal input from PC, DVD, and Microphone	e, etc			
	Audio input from IP encoder <sup>2</sup> processed by IP input board Audio signal connector: 3.5mm or RCA		board		
	Hot swappable module with instant service recovery				
Wall live view board (optional) <sup>4</sup>	Output resolution: 3840 x 2160@30Hz (HDMI), 1920 x 108 Output connector: HDMI, RJ45	30@30Hz (IP)			
	Hot swappable module with instant image recovery				
Number of outputs (optional) Output resolution	336 max., output connector: DVI-D, optional fiber-optic LC Up to 1920 x 1200 @ 60Hz		32 max. / 16 max., output connector: DVI-D, optional fiber-optic LC		
Total bandwidth for signal transmission	280Gbps per chassis N x 280Gbps (n is the number of chassis)				
Power supply type	N+1 hot swappable, redundant power supply				
Power rating	AC 100V - 240V Frequency: 50 / 60Hz @ ≤750W per chassis				
	Max. 8A per chassis				
Operating temperature Operating humidity	0°C - 40°C 20% - 90% (non-condensing)				
Weight Dimensions (W x H x D)	≤42Kg per chassis 482.6mm x 265.9mm x 523mm (excluding the handle)				
	19" standard chassis, single chassis 6U high (excluding 10				
Model	19" standard chassis, single chassis 6U high (excluding 10 Digicom® Magic3100	J of base plate) Digicom® Magic3000	Digicom® Magic7000		
CPU Memory	19" standard chassis, single chassis 6U high (excluding 1U Digicom® Magic3100 Intel Mult-core 4GB		Digicom® Magic7000 8GB		
CPU Memory Hard disk	19" standard chassis, single chassis 6U high (excluding 1U Digicom® Magic3100 Intel Mutii-core 4GB 2 x 1TB, RAID 0/1 (optional)				
CPU Memory Hard disk Optic drive Network interface	19" standard chassis, single chassis 6U high (excluding 1U Digicom® Magic3100 Intel Muti-core 4GB 2 x 1TB, RAID 0/1 (optional) DVD-ROM Dual gigabit RJ45 port, 100 / 1000Mbps self-adaptive Ethr	Digicom <sup>®</sup> Magic3000	8GB		
CPU Memory Hard disk Optic drive Network interface Operation system	19" standard chassis, single chassis 6U high (excluding 1U Digicom <sup>®</sup> Magic3100 Intel Multi-core 4GB 2 x 1TB, RAID 0/1 (optional) DVD-ROM	Digicom <sup>®</sup> Magic3000			
CPU Memory Hard disk Optic drive Network interface	19" standard chassis, single chassis 6U high (excluding 10 Digicom® Magic3100 Intel Multi-core 4GB 2 x 1TB, RAID 0/1 (optional) DVD-ROM Dual gigabit RJ45 port, 100 / 1000Mbps self-adaptive Ethe Windows® 7 Dual hot swappable cooling fans AC 100 - 240 V	Digicom <sup>®</sup> Magic3000	8GB		
CPU Memory Hard disk Optic drive Network interface Operation system Cooling fans of the chassis	19" standard chassis, single chassis 6U high (excluding 1U Digicom® Magic3100 Intel Muti-core 4GB 2 x 1TB, RAID 0/1 (optional) DVD-ROM Dual gigabit RJ45 port, 100 / 1000Mbps self-adaptive Ethe Windows® 7 Dual hot swappable cooling fans AC 100 V - 240 V Frequency: 50 / 60 Hz @s300 W Max. 4A	Digicom® Magic3000	8GB Windows® 10, Linux CentOS 6.0 (optional)		
CPU Memory Hard disk Optic drive Network interface Operation system Cooling fans of the chassis Power rating Power supply type	19" standard chassis, single chassis 6U high (excluding 1U Digicom® Magic3100 Intel Multi-core 40B 2 x 11B, RAID 0/1 (optional) DVD-ROM Dual gigabit RJ45 port, 100 / 1000Mbps self-adaptive Ethe Window® 7 Dual hot swappable cooling fans AC 100 V - 240 V Frequency: 50 / 60 Hz @≤300 W Max. 4A 1+1 hot swappable, redundant power supply	Digicom <sup>®</sup> Magic3000	8GB		
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CPU Memory Hard disk Optic drive Network interface Operation system Cooling fans of the chassis Power rating Power supply type Operating temperature	19" standard chassis, single chassis 6U high (excluding 1U           Digicom <sup>®</sup> Magic3100           Intel Multi-core           4GB           2 x 1TB, RAID 0/1 (optional)           DVD-ROM           Dual gigabit RJ45 port, 100 / 1000Mbps self-adaptive Ether           Windows <sup>®</sup> 7           Dual hot swappable cooling fans           AC 100 V - 240 V           Frequency; 50 / 60 Hz @≤300 W           Max. 4A           1+1 hot swappable, redundant power supply           0°C - 40°C	Digicom® Magic3000	8GB Windows® 10, Linux CentOS 6.0 (optional)		
CPU Memory Hard disk Optic drive Network interface Operation system Cooling fans of the chassis Power rating Power supply type Operating temperature Operating humidity Weight Dimension (W x H x D)	19" standard chassis, single chassis 6U high (excluding 1U         Digicom <sup>®</sup> Magic3100         Intel Multi-core         4CB         2 x 1TB, RAID 0/1 (optional)         DVD-ROM         Dual gigabit RJ45 port, 100 / 1000Mbps self-adaptive Ether         Windows* 7         Dual hot swappable cooling fans         AC 100 V - 240 V         Frequency: 50 / 60 Hz @s300 W         Max. 4A         1+1 hot swappable, redundant power supply         0°C - 40°C         20% - 80% (non-condensing)         430Kg         482.6mm x 177mm x 590mm (excluding the handle)         19" standard chassis, 4 U high	Digicom® Magic3000	8GB Windows® 10, Linux CentOS 6.0 (optional) 1+1 hot swappable, redundant power supply		
CPU Memory Hard disk Optic drive Network interface Operation system Cooling fans of the chassis Power rating Power supply type Operating temperature Operating humidity Weight	19" standard chassis, single chassis 6U high (excluding 10 Digicom® Magic3100 Intel Multi-core 40B 2 x 1TB, RAID 0/1 (optional) DVD-ROM Dual gigabit RJ45 port, 100 / 1000Mbps self-adaptive Ethe Window® 7 Dual hot swappable cooling fans AC 100 V - 240 V Frequency: 50 / 60 Hz @s300 W Max. 4A 1+1 hot swappable, redundant power supply 0°C - 40°C 20% - 80% (non-condensing) s30Kg 482.6mm x 177mm x 590mm (excluding the handle) 19" standard chassis, 4U high Mandatory %: WIAS/VCMS/VEMS Included: VIS Basic	Digicom® Magic3000	8GB Windows® 10, Linux CentOS 6.0 (optional) 1+1 hot swappable, redundant power supply		
CPU Memory Hard disk Optic drive Network interface Operation system Cooling fans of the chassis Power rating Power rating Power supply type Operating temperature Operating temp	19" standard chassis, single chassis 6U high (excluding 10         Digicom® Magic3100         Intel Multi-core         4QB         2 x 1TB, RAID 0/1 (optional)         DVD-ROM         Dual gigabit RJ45 port, 100 / 1000Mbps self-adaptive Ether         Windows® 7         Dual hot swappable cooling fans         AC 100 V - 240 V         Frequency: 50 / 60 Hz @s300 W         Max. 4A         14*1 hot swappable, redundant power supply         0°C - 40°C         20% - 80% (non-condensing)         s30Kg         482.6mm x 177mm x 590mm (excluding the handle)         19" standard chassis, 4 U high         Mandatory *: WWASVCMS/VEMS         Included: VIS Basic         Optional: VLinkExpress + VSE, VIS3.0	Digicom® Magic3000	8GB Windows® 10, Linux CentOS 6.0 (optional) 1+1 hot swappable, redundant power supply		
CPU Memory Hard disk Optic drive Network interface Operation system Cooling fans of the chassis Power rating Power supply type Operating temperature Operating humidity Weight Dimension (W x H x D)	19" standard chassis, single chassis 6U high (excluding 1U Digicom® Magic3100 Intel Multi-core 40B 2 x 1TB, RAID 0/1 (optional) DVD-ROM Dual gigabit RJ45 port, 100 / 1000Mbps self-adaptive Ethe Windows® 7 Dual hot swappable cooling fans AC 100 · 240 V Frequency: 50 / 60 Hz @≤300 W Max. 4A 1+1 hot swappable, redundant power supply 0°C - 40°C 20% - 80% (non-condensing) ≤30Kg 482.6mm x 177mm x 590mm (excluding the handle) 19" standard chassis, 4U high Mandatory <sup>1</sup> : VVAS/VCMS/VEMS Included: VIS Basic Optional: VLinkExpress + VSE, VIS3.0 Digicom® Ark3300EP DC power interface: two external DC power input interface	Digicom® Magic3000	8GB Windows® 10, Linux CentOS 6.0 (optional) 1+1 hot swappable, redundant power supply		
CPU Memory Hard disk Optic drive Network interface Operation system Cooling fans of the chassis Power rating Power rating Power game Operating temperature Operating temperature Operating (W x H x D) VTRON's software Model External interfaces	19" standard chassis, single chassis 6U high (excluding 1U Digicom® Magic3100 Intel Multi-core 4GB 2 x 1TB, RAID 0/1 (optional) DVD-ROM Dual gigabit RJ45 port, 100 / 1000Mbps self-adaptive Ethe Window® 7 Dual hot swappable cooling fans AC 100 V - 240 V Frequency: 50 / 60 Hz @s300 W Max. 4A 1+1 hot swappable, redundant power supply 0°C - 40°C 20% - 80% (non-condensing) 530Kg 482.6mm x 177mm x 590mm (excluding the handle) 19" standard chassis, 4U high Mandatory % VWAS/VCMS/VEMS Included: VIs Basic Optional: VLnKExpress + VSE, VIS3.0 Digicom® Ark3300EP DC power interface: two external DC power input interface 100Mbps RJ45 port: one 10/1 00Mbps self-adaptive Ethe	Digicom® Magic3000	8GB Windows® 10, Linux CentOS 6.0 (optional) 1+1 hot swappable, redundant power supply		
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CPU Memory Hard disk Optic drive Network interface Operation system Cooling fans of the chassis Power rating Power supply type Operating humidity Weight Dimension (W x H x D) VTRON's software Model External interfaces Input/ output interface	19" standard chassis, single chassis 6U high (excluding 10 Digicom® Magic3100 Intel Multi-core 40B 2 x 1TB, RAID 0/1 (optional) DVD-ROM Dual gigabit RJ45 port, 100 / 1000Mbps self-adaptive Ether Windows® 7 Dual hot swappable cooling fans AC 100 · 240 V Frequency: 50 / 60 Hz @≤300 W Max. 4A 1+1 hot swappable, redundant power supply 0°C - 40°C 20% - 80% (non-condensing) ≤30Kg 482.6mm x 177mm x 590mm (excluding the handle) 19" standard chassis, 4U high Mandatory · WWAS/VGN/EMS Included: VIS Basic Optional: VLInkExpress + VSE, VIS3.0 Digicom® Ark3300EP DC power interface: two external DC power input interface 100Mbps RJ45 port: one 10 / 100Mbps self-adaptive Ethe High-speed data transmission connector DC 12V 5A @≤60W Optionaltemperature: 0°C - 40°C	Digicom® Magic3000	8GB Windows® 10, Linux CentOS 6.0 (optional) 1+1 hot swappable, redundant power supply		
CPU Memory Hard disk Optic drive Network interface Operation system Cooling fans of the chassis Power rating Power supply type Operating temperature Operating temperature Operating temperature Other than the	19" standard chassis, single chassis 6U high (excluding 10 Digicom® Magic3100 Intel Multi-core 40B 2 x 1TB, RAID 0/1 (optional) DVD-ROM Dual gigabit RJ45 port, 100 / 1000Mbps self-adaptive Ethe Windows® 7 Dual hot swappable cooling fans AC 100 - 240 V Frequency: 50 / 60 Hz @s300 W Max. 4A 14-1 hot swappable, redundant power supply 0°C +0°C 20% - 80% (non-condensing) 482.6mm x 177mm x 590mm (excluding the handle) 19" standard chassis, 4U high Mandatory : WWAS/VCMS/EMS Included: VIS Basic Optional: VLnkExpress + VSE, VIS3.0 Digicom® Ark3300EP DC power interface: two external DC power input interface 100Mbps AL45 port: one 10 / 100Mbps self-adaptive Ethe High-speed data transmission connector DC 12V 5A @s450W Operating temperature: 0°C - 40°C Relative humidity: 20% - 90% (non-condensing) 482.6mm x88mm x 211mm (excluding the handle)	Digicom® Magic3000	8GB Windows® 10, Linux CentOS 6.0 (optional) 1+1 hot swappable, redundant power supply		
CPU Memory Hard disk Optic drive Operation system Cooling fans of the chassis Power rating Power supply type Operating temporature Operating tumidity Weight Dimension (W x H x D) VTRON's software Model External interfaces Input/ output interface Power rating Working environment	19" standard chassis, single chassis 6U high (excluding 1U Digicom <sup>®</sup> Magic3100 Intel Multi-core 40B 2 x 1TB, RAID 0/1 (optional) DVD-ROM Dual gigabit RJ45 port, 100 / 1000Mbps self-adaptive Ethe Windows <sup>®</sup> 7 Dual hot swappable cooling fans AC 100 / 240 V Frequency: 50 / 60 Hz @s300 W Max. 4A 1+1 hot swappable, redundant power supply 0°C - 40°C 20% - 80% (non-condensing) ≤30Kg 482.6mm x 177mm x 590mm (excluding the handle) 19" standard chassis, 4U high Mandatory <sup>5</sup> : WVAS/VCMS/VEMS Included: VIS Basic Optional: VLinkExpress + VSE, VIS3.0 Digicom <sup>®</sup> Ark3300EP DCC power interface: two external DC power input interface 100Mbps RJ45 port: one 10 / 100Mbps self-adaptive Ethe High-speed data transmission connector DC 12/ 5A @s60W Operating temperature: 0°C - 40°C Relative hundity: 20% - 90% (non-condensing)	Digicom® Magic3000	8GB Windows® 10, Linux CentOS 6.0 (optional) 1+1 hot swappable, redundant power supply		
CPU Memory Hard disk Optic drive Operation system Cooling fans of the chassis Power rating Power supply type Operating temperature Operating temperature Operating temperature VTRON's software Model External interfaces Input/ output interface Power rating Working environment Chassis dimension (W x H x D)	19° standard chassis, single chassis 6U high (excluding 10 Digicom® Magic3100 Intel Multi-core 4GB 2 x 1TB, RAID 0/1 (optional) DVD-ROM Dual gigabit RJ45 port, 100 / 1000Mbps self-adaptive Ether Windows® 7 Dual hot swappable cooling fans AC 100 · 2 40 V Frequency: 50 / 60 Hz @≤300 W Max. 4A 1+1 hot swappable, redundant power supply 0°C - 40°C 20% - 80% (non-condensing) 482 6mm x 177mm x 590mm (excluding the handle) 19° standard chassis, 4U high Mandator, * VWAS/VCMS/VEMS Includez: VIS Basic Optional: VLinkExpress + VSE, VIS3.0 Digicom® Ark3300EP DC power interface: two external DC power input interface: 100Mbps RJ45 port: one 10 / 100Mbps self-adaptive Ether High-speed data transmission connector DC 12V 5A @se0W Operating temperature: 0°C - 40°C Relative humidity: 20% - 90% (non-condensing) 482.6mm x 88mm x 21 time (excluding the handle) 19° standard chassis, 2U high	Digicom® Magic3000	8GB Windows® 10, Linux CentOS 6.0 (optional) 1+1 hot swappable, redundant power supply		
CPU Memory Hard disk Optic drive Network interface Operation system Cooling fans of the chassis Power rating Power supply type Operating temperature Operating temperature Operating temperature Operating the temperature Operating temperature Model External interface Power rating Working environment Chassis dimension (W x H x D) Weight (net weight) Model Component	19" standard chassis, single chassis 6U high (excluding 10 Digicom® Magic3100 Intel Multi-core 40B 2 x 1TB, RAID 0/1 (optional) DVD-ROM Dual gigabit RJ45 port, 100 / 1000Mbps self-adaptive Ether Windows? 7 Dual hot swappable cooling fans AC 100 · 240 V Frequency: 60 / 60 Hz @≤300 W Max 4A 1+1 hot swappable, redundant power supply 0°C - 40°C 20%. 80% (non-condensing) ≤30Kg 482.6mm x 177mm x 590mm (excluding the handle) 19" standard chassis, 4U high Mandatory · VWAS/VGNS/MEMS Included: VIS Basic Optional: VLinkExpress + VSE, VIS3.0 Digicom® Ark3300EP DC power interface: two external DC power input interface 100Mbps RJ45 port: one 10 / 100Mbps self-adaptive Ether High-speed data transmission connector DC 12V 5Å @s50W Operating temperature: 0°C - 40°C Relative humidity: 20% - 90% (non-condensing) 482.6mm x 88mm x 21 time (excluding the handle) 19" standard chassis, 2U high ≤17Kg Digicom® EPO101 (optional) One set of EPO101 consists of 2 fiber-optic cascade com	Digicom® Magic3000  arret port Single power supply S20Kg Ss met port Vertors	8GB Windows® 10, Linux CentOS 6.0 (optional) 1+1 hot swappable, redundant power supply		
CPU Memory Hard disk Optic drive Network interface Operation system Cooling fans of the chassis Power rating Power supply type Operating humidity Weight Dimension (W x H x D) VTRON's software  Model External interfaces Input/ output interface Power rating Working environment Chassis dimension (W x H x D) Weight (net weight) Model Component Interface	19" standard chassis, single chassis 6U high (excluding 10 Digicom® Magic3100 Intel Multi-core 40B 2 x 1TB, RAID 0/1 (optional) DVD-ROM Dual gigabit RJ45 port, 100 / 1000Mbps self-adaptive Ether Windows® 7 Dual hot swappable cooling fans AC 100 · 240 V Frequency: 50 / 60 Hz @≤300 W Max. 4A 1+1 hot swappable, redundant power supply 0°C - 40°C 20% - 80% (non-condensing) ≤30Kg 482.6mm x 177mm x 590mm (excluding the handle) 19" standard chassis, 4U high Mandatory > WWAS/VGN/EMS Included: VIS Basic Optional: VLInkExpress + VSE, VIS3.0 Digicom® Ark3300EP DC power interface: two external DC power input interface 100Mbps RJ45 port: one 10 / 100Mbps self-adaptive Ethe High-speed data transmission connector DC 12V 5A @=560W Operating temperature: 0°C - 40°C Relative humidity: 20% - 90% (non-condensing) 482.6mm x 88mm x 21 Thmr (excluding the handle) 19" standard chassis, 2U high ≤17kg Digicom® EPO101 (consists of 2 fiber-optic cascade convertor 2 high-speed data transmission connectors per fiber-optic 8 hber modules per fiber-optic cascade convertor	Digicom® Magic3000  arret port Single power supply S20Kg Ss met port Perfors Cascade convertor	8GB Windows® 10, Linux CentOS 6.0 (optional) 1+1 hot swappable, redundant power supply		
CPU Memory Hard disk Optic drive Optic drive Network interface Operation system Cooling fans of the chassis Power rating Power supply type Operating humidity Weight Dimension (W x H x D) VTRON's software Model External interfaces Input/ output interface Power rating Working environment Chassis dimension (W x H x D) Weight Chassis dimension (W x H x D) Weight Chassis dimension (W x H x D) Weight Interface Transmission distance	19" standard chassis, single chassis 6U high (excluding 10 Digicom® Magic3100 Intel Multi-core 40B 2 x 1TB, RAID 0/1 (optional) DVD-ROM Dual gigabit RJ45 port, 100 / 1000Mbps self-adaptive Ethe Windows® 7 Dual hot swappable cooling fans AC 100 / 240 V Frequency: 50 / 60 Hz @s300 W Max. 4A 1+1 hot swappable, redundant power supply 0°C - 40°C 20% - 80% (non-condensing) 330Kg 482.6mm x 177mm x 590mm (excluding the handle) 19" standard chassis, 4U high Mandatory <sup>1</sup> : VVAS/VCMS/VEMS Included: VIS Basic Optional: VLinkExpress + VSE, VIS3.0 Digicom® Ark3300EP DC power interface: two external DC power input interface 100Mbps RJ45 port: one 10 / 100Mbps self-adaptive Ethe High-speed data transmission connector DC 12V 5A @s60W Operating temperature: 0°C - 40°C Relative hundity: 20% - 90% (non-condensing) 482.6mm x 88mm x 21 tmm (excluding the handle) 19" standard chassis, 2U high s17kg Digicom® EPO101 (optional) One set of EPO101 consists 0 2 fiber-optic cascade comvetor 8 high-speed data transmission connectors per fiber-optic 8 liber modules per fiber-optic cascade convetor 0 to 10 meters (between 2 fiber-optic cascade convetor 9 to 300 meters (between 2 fiber-optic cascade convetor 9 to 500 meters (between 2 fiber-optic cascade convetor	Digicom® Magic3000  arret port Single power supply S20Kg Ss met port Perfors Cascade convertor	8GB Windows® 10, Linux CentOS 6.0 (optional) 1+1 hot swappable, redundant power supply		
CPU Memory Hard disk Optic drive Network interface Operation system Cooling fans of the chassis Power rating Power rating Cooling temperature Operating temperature Chassis dimension (W x H x D) Weight (net weight) Model Component Interface Power rating	19" standard chassis, single chassis 6U high (excluding 10         Digicom® Magic3100         Intel Multi-core         40B         2 x 1TB, RAID 0/1 (optional)         DVD-ROM         Dual gigabit RJ45 port, 100 / 1000Mbps self-adaptive Ethe         Windows® 7         Dual hot swappable cooling fans         AC 100 - 240 V         Frequency: 50 / 60 Hz @s300 W         Max, 4A         14+1 hot swappable, redundant power supply         0"C - 40"C         20% - 80% (non-condensing)         -330Kg         482.6mm 117mm x 590mm (excluding the handle)         19" standard chassis, 4U high         Menatadr V: VIS Basic         Optional: VUnkExpress + VSE, VIS3.0         Digicom® Ark3300EP         DC Drower interface: two external DC power input interface         100Mbps Ads 9x45 port: one 10/ 100Mbps self-adaptive Ethe         High-speed data transmission connector         DC 12/ 25 Ads 9x50W         Operating temperature: 0"C - 40"C         Relative humidity: 20% - 90% (non-condensing)         482.6mm & 88m x 21 trum (excluding the handle)         19" standard chassis, 2U high         517kg         Digicom® EPO101 (optional)         Ore set of EPO101 consists of 2 fiber-optic cascade convertor <td>Digicom® Magic3000  arret port Single power supply S20Kg Ss met port Perfors Cascade convertor</td> <td>8GB Windows® 10, Linux CentOS 6.0 (optional) 1+1 hot swappable, redundant power supply</td> <td></td>	Digicom® Magic3000  arret port Single power supply S20Kg Ss met port Perfors Cascade convertor	8GB Windows® 10, Linux CentOS 6.0 (optional) 1+1 hot swappable, redundant power supply		
CPU Memory Hard disk Optic drive Optic drive Network interface Operation system Cooling fans of the chassis Power rating Power supply type Operating humidity Weight Dimension (W x H x D) VTRON's software Model External interfaces Input/ output interface Power rating Working environment Chassis dimension (W x H x D) Weight Chassis dimension (W x H x D) Weight Chassis dimension (W x H x D) Weight Interface Transmission distance	19" standard chassis, single chassis 6U high (excluding 10 Digicom® Magic3100 Intel Multi-core 46B 2 x 1TB, RAID 0/1 (optional) DVD-ROM Dual gigabit RJ45 port, 100 / 1000Mbps self-adaptive Ethe Windows* 7 Dual hot swappable cooling fans AC 100 · 240 V Frequency: 60 / 60 Hz @s300 W Max. 4A 1+1 hot swappable, redundant power supply 0°C - 40°C 20% - 80% (non-condensing) 320Kg 482.6mm x 177mm x 590mm (excluding the handle) 19" standard chassis, 4U high Mandator, Y: WVAS/VCMS/VEMS Included: VIS Basic Optional: VLInKExpress + VSE, VIS3.0 Digicom® Ark3300EP DC power interface: two external DC power input interface 100Mbps RJ45 port: one 10 / 100Mbps self-adaptive Ethe High-speed data transmission connector DC 12V 5A @s80W Operating temperature: 0°C - 40°C Relative humidity: 20% - 90% (non-condensing) 482.6mm x 88mm x 21 tmm (excluding the handle) 19" standard chassis, 2U high 517Kg Digicom® EPO101 (optional) One set of EPO101 (optional) One set of EPO101 copitic cascade convertor Up to 300 meters (between 2 fiber-optic cascade convertor Up to 300 met	Digicom® Magic3000 emet port Single power supply S20Kg S5 met port Vertors cascade convertor Ts)	8GB Windows® 10, Linux CentOS 6.0 (optional) 1+1 hot swappable, redundant power supply ≤30Kg		
CPU Memory Hard disk Optic drive Network interface Operation system Cooling fans of the chassis Power rating Power rating Cooling temperature Operating temperature Chassis of W x H x D) Weight Component Interface Transmission distance Power rating Model Input Interface Preview signal source	19" standard chassis, single chassis 6U high (excluding 10         Digicom® Magic3100         Intel Multi-core         40B         2 x 1TB, RAID 0/1 (optional)         DVD-ROM         Dual gigabit RJ45 port, 100 / 1000Mbps self-adaptive Ethe         Windows® 7         Dual hot swappable cooling fans         AC 100 - 240 V         Frequency: 50 / 60 Hz @s300 W         Max, 4A         14*1 hot swappable, redundant power supply         0"C - 40"C         20% - 80% (non-condensing)         -330Kg         482.6mm 117mm x 590mm (excluding the handle)         19" standard chassis, 4U high         Manatadr V: VINE Basic         Optional: VUnkExpress + VSE, VIS3.0         Digicom® Ark3300EP         DC Drower interface: two external DC power input interface         100Mbps Ads 9x45 port: one 10 / 100Mbps self-adaptive Ethe         High-speed data transmission connector         DC 12V 56 @s50W         Operating temperature: 0"C - 40"C         Relative humidity: 20% - 90% (non-condensing)         482.6mm & 88m x 21 trum (excluding the handle)         19" standard chassis, 2U high         517kg         Digicom® EPO101 (optional)         One set of EPO101 consists of 2 fiber-optic cascade convertor	Digicom® Magic3000 emet port Single power supply S20Kg S5 met port Vertors cascade convertor Ts)	8GB Windows® 10, Linux CentOS 6.0 (optional) 1+1 hot swappable, redundant power supply ≤30Kg		
CPU Memory Hard disk Optic drive Network interface Operation system Cooling fans of the chassis Power rating Power supply type Operating temperature Chassis dimension (W x H x D) Weight (net weight) Model Component Interface Power rating Model Input Interface Preview signal source Ethernet port Prover rating	19" standard chassis, single chassis 6U high (excluding 10 Digicom® Magic3100 Intel Multi-core 40B 2 x 1TB, RAID 0/1 (optional) DVD-ROM Dual gigabit RJ45 port, 100 / 1000Mbps self-adaptive Ethe Windows" 7 Dual hot swappable cooling fans AC 100 · 240 V Frequency: 50 / 60 Hz @s300 W Max. 4A 1+1 hot swappable, redundant power supply 0°C - 40°C 20% - 80% (non-condensing) 330Kg 482 6mm x 177mm x 500mm (excluding the handle) 19" standard chassis, 4U high Mandatory <sup>5</sup> : VVK3N/CMS/VEMS Included: VIS Basic Optional: VLinkExpress + VSE, VIS3.0 Digicom® Ark3300EP DC power interface: two external DC power input interface 100Mbps RJ45 port: one 10 / 100Mbps self-adaptive Ethe High-speed data transmission connector DC 12V 5A @s260W Operating temperature: 0°C - 40°C Relative humdity: 20% - 90% (non-condensing) 482.6mm x 88mm x 211mm (excluding the handle) 19" standard chassis, 2U high s17kg Digicom® EPO101 (optional) One set of EPO101 (optional) One set of EPO101 (optional) One set of EPO101 (optional) One high-speed data transmission connectors per fiber-optic 8 liber modules per fiber-optic cascade convertor DC 5V 4A @s20W Digicom® SPV3008 (optional) One high-speed data transmission connector VGA, DV, SDI, HDMI, Dual Link DVI, Video, DisplayPort, 1000Mbps RJ45, 1001000Mbps self-adaptive DC 12V 5A 66A @ s30W	Digicom® Magic3000 emet port Single power supply S20Kg S5 met port Vertors cascade convertor Ts)	8GB Windows® 10, Linux CentOS 6.0 (optional) 1+1 hot swappable, redundant power supply		
CPU Memory Hard disk Optic drive Network interface Operation system Cooling fans of the chassis Power rating Power supply type Operating temperature Operating temperature Operating humidity Weight Dimension (W x H x D) VTRON's software Model External interfaces Input/ output interface Power rating Working environment Chassis dimension (W x H x D) Weight (net weight) Model Component Interface Prower rating Model Input interface Preview signal source Ethernet port Preview signal source Ethernet port Power rating Power rating Power rating Model Input interface Preview signal source Ethernet port Power rating Power rating Component Interface Preview signal source Ethernet port Power rating Power rating Power rating Power rating Chassis dimension (W x H x D)	19" standard chassis, single chassis 6U high (excluding 10 Digicom® Magic3100 Intel Multi-core 40B 2 x 1TB, RAID 0/1 (optional) DVD-ROM Dual gigabit RJ45 port, 100 / 1000Mbps self-adaptive Ethe Windows® 7 Dual hot swappable cooling fans AC 100 - 240 V Frequency: 50 / 60 Hz @s300 W Max. 4A 14-1 hot swappable, redundant power supply 0°C - 40°C 20% - 80% (non-condensing) - 30Kg 482.6mm x 177mm x 590mm (excluding the handle) 19" standard chassis, 4U high Mandatory ; WWAS/CMS/NEMS Included: VIS Basic Optional: VUnkExpress + VSE, VIS3.0 Digicom® Ark3300EP DC power interface: two external DC power input interface 100Mbps RJ45 port: one 10 / 100Mbps self-adaptive Ethe High-speed data transmission connector DC 12V 5A @s450 W Operating temperature: 0°C - 40°C Relative humidity: 20% - 90% (non-condensing) 482.6mm x 88mm x 21 trum (excluding the handle) 19" standard chassis, 2U high 517kg Digicom® EPO101 (optional) One set of EPO101 consists of 2 fiber-optic cascade com 2 high-speed data transmission connector DC 50 X4A @s20W Digicom® SPV3008 (optional) One high-speed data transmission connector VGA, DV, SD, HDM, Dual Link DV, Vidoo, DisplayPort, 1000Mbps RJ45, 100/1000Mbps self-adaptive DC 12V 6A&@s20W	Digicom® Magic3000 emet port Single power supply S20Kg S5 met port Vertors cascade convertor Ts)	8GB Windows® 10, Linux CentOS 6.0 (optional) 1+1 hot swappable, redundant power supply ≤30Kg		
CPU Memory Hard disk Optic drive Network interface Operation system Cooling fans of the chassis Power rating Power supply type Operating humidity Weight Dimension (W x H x D) VTRON's software  Model External interfaces Input/ output interface Power rating Working environment Chassis dimension (W x H x D) Weight (net weight) Model Component Interface Transmission distance Power rating Model Input Interface Preview signal source Ethernet port Power rating Chassis dimension (W x H x D) Model	19" standard chassis, single chassis 6U high (excluding 10         Digicom® Magic3100         Intel Multi-core         40B         2 x 1TB, RAID 0/1 (optional)         DVD-ROM         Dual gigabit RJ45 port, 100 / 1000Mbps self-adaptive Ethe         Windows® 7         Dual hot swappable cooling fans         AC 100 / - 240 V         Frequency: 50 / 60 Hz @c300 W         Max. 4A         1+1 hot swappable, redundant power supply         0°C - 40°C         20% - 80% (non-condensing)         430Kg         482. Bmm x 177mm x 590mm (excluding the handle)         19" standard chassis, 4U high         Manatadr V; VWSAVCMSVEMS         Included: VIS Basic         Optional: VLinkExpress + VSE, VIS3.0         Digicom® Ark43300EP         DC power interface: two external DC power input interface         10Mbps RJ45 port: one 10 / 100Mbps self-adaptive Ethe         High-speed data transmission connector         DC 12V 5A @s60W         Operating temperature: 0°C - 40°C         Relative humidity: 20% - 90% (non-condensing)         442. Bmm x 8Bm x 21 Timm (excluding the handle)         19" standard chassis, 2U high         17kg         Digicom® EPO101 (optional)         One set of	Digicom® Magic3000 emet port Single power supply S20Kg S5 met port Vertors cascade convertor Ts)	8GB Windows® 10, Linux CentOS 6.0 (optional) 1+1 hot swappable, redundant power supply ≤30Kg		
CPU Memory Hard disk Optic drive Network interface Operation system Cooling fans of the chassis Power rating Power supply type Operating temperature Operating temperature Operating humidity Weight Dimension (W x H x D) VTRON's software Model External interfaces Input/ output interface Power rating Working environment Chassis dimension (W x H x D) Weight (net weight) Model Component Interface Prower rating Model Input interface Preview signal source Ethernet port Preview signal source Ethernet port Power rating Power rating Power rating Model Input interface Preview signal source Ethernet port Power rating Power rating Component Interface Preview signal source Ethernet port Power rating Power rating Power rating Power rating Chassis dimension (W x H x D)	19" standard chassis, single chassis 6U high (excluding 10 Digicom® Magic3100 Intel Multi-core 40B 2 x 1TB, RAID 0/1 (optional) DVD-ROM Dual gigabit RJ45 port, 100 / 1000Mbps self-adaptive Ethe Windows® 7 Dual hot swappable cooling fans AC 100 - 240 V Frequency: 50 / 60 Hz @s300 W Max. 4A 14-1 hot swappable, redundant power supply 0°C - 40°C 20% - 80% (non-condensing) - 30Kg 482.6mm x 177mm x 590mm (excluding the handle) 19" standard chassis, 4U high Mandatory ; WWAS/CMS/NEMS Included: VIS Basic Optional: VunkExpress + VSE, VIS3.0 Digicom® Ark3300EP DC power interface: two external DC power input interface 100Mbps RJ45 port: one 10 / 100Mbps self-adaptive Ethe High-speed data transmission connector DC 12V 5A @s450 W Operating temperature: 0°C - 40°C Relative humidity: 20% - 90% (non-condensing) 482.6mm x 88mm x 21 trum (excluding the handle) 19" standard chassis, 2U high 517kg Digicom® EPO101 (optional) One set of EPO101 consists of 2 fiber-optic cascade com 2 high-speed data transmission connector DC 50 X4A @s20W Digicom® SPV3008 (optional) One high-speed data transmission connector VGA, DV, SD, HDM, Dual Link DV, Vidoo, DisplayPort, 1000Mbps RJ45, 100/1000Mbps self-adaptive DC 12V 6A@s20W	Digicom® Magic3000 emet port Single power supply Single power supp	8GB Windows® 10, Linux CentOS 6.0 (optional) 1+1 hot swappable, redundant power supply ≤30Kg		
CPU Memory Hard disk Optic drive Network interface Operation system Cooling fans of the chassis Power rating Power supply type Operating temperature Operating humidity Weight Dimension (W x H x D) VTRON's software  Model External interfaces Input/ output interface Power rating Working environment Chassis dimension (W x H x D) Weight (net weight) Model Input Interface Power rating Model Input Interface Power rating Model Input Interface Power rating Model Input Interface Preview signal source Ethermet port Power rating Chassis dimension (W x H x D) Model Input Interface Preview signal source Ethermet port Power rating Chassis dimension (W x H x D)	19" standard chassis, single chassis 6U high (excluding 10 Digicom® Magic3100 Intel Multi-core 40B 2 x 1TB, RAID 0/1 (optional) DVD-ROM Dual gigabit RJ45 port, 100 / 1000Mbps self-adaptive Ether Windows? 7 Dual hot swappable cooling fans AC 100 / 240 V Frequency: 60 / 60 Hz @≤300 W Max. 4A 1+1 hot swappable, redundant power supply 0°C - 40°C 20%. 80% (non-condensing) 530Kg 482.6mm x 177mm x 590mm (excluding the handle) 19" standard chassis, 4U high Mandatory * WVAS/VCMS/VEMS Included: VIS Basic Optional: VLInExpress + VSE, VIS3.0 Digicom® Ark3300EP DC power interface: two external DC power input Interface 100Mbps RJ45 port: one 10 / 100Mbps self-adaptive Ether High-speed data transmission connector DC 12V 5A @s60W Operating temperature: 0°C - 40°C Relative humidity: 20% - 90% (non-condensing) 482.6mm x 88mm x 211mm (excluding the handle) 19" standard chassis, 2U high 517kg Digicom® EPO101 (optional) One set of EPO101 (optional) One set of EPO101 (optional) One high-speed data transmission connectors per fiber-optic 8 fber modules per fiber-optic cascade convertor Dc 12V 54 & @s20W Digicom® SPV3008 (optional) One high-speed data transmission connectors 2 Vi3A, DVI, SDI, HDMI, Dual Link DVI, Video, DisplayPort, 1000Mbps RJ45, 1007(000Mbps self-adaptive DC 12V 6.66A @ s30W 432.6mm x 84mm x 208m (excluding the handle) Digicom® SPV3008 (optional) One high-speed data transmission connector V V43, DVI, SDI, HDMI, Dual Link DVI, Video, DisplayPort, 1000Mbps RJ45, 1007(000Mbps self-adaptive	Digicom® Magic3000 emet port Single power supply Single power supp	8GB Windows® 10, Linux CentOS 6.0 (optional) 1+1 hot swappable, redundant power supply ≤30Kg		
CPU Memory Hard disk Optic drive Network interface Operation system Cooling fans of the chassis Power rating Power supply type Operating temperature Operating temperature Operating temperature Operating temperature Operating Network H x D) VTRON's software  Model External interfaces Input/ output interface Power rating Working environment Chassis dimension (W x H x D) Weight (net weight) Model Component Interface Preview signal source Ethernet port Power rating Model Input interface Power rating Model Input interface Power rating Model Input interface Preview signal source Ethernet port Power rating Model Input interface Power rating Power	19" standard chassis, single chassis 6U high (excluding 10 Digicom® Magic3100 Intel Multi-core 40B 2 x 1TB, RAID 0/1 (optional) DVD-ROM Dual gigabit RJ45 port, 100 / 1000Mbps self-adaptive Ethe Windows® 7 Dual hot swappable cooling fans AC 100 - 240 V Frequency: 50 / 60 Hz @s300 W Max. 4A 11-1 hot swappable, redundant power supply 0°C - 40°C 20% - 80% (non-condensing) - 330Kg 482.6mm x 177mm x 590mm (excluding the handle) 19" standard chassis, 4U high Mandatory ; WWAS/CMS/NEMS Included: VIS Basic Optional: VunkExpress + VSE, VIS3.0 Digicom® Ark3300EP DC power interface: two external DC power input interface 100Mbps RJ45 port: one 10 / 100Mbps self-adaptive Ethe High-speed data transmission connector DC 12V 5A @s450W Operating temperature: 0°C - 40°C Relative humidity: 20% - 90% (non-condensing) 482.6mm x 88mm x 21 trum (excluding the handle) 19" standard chassis, 2U high s17kg Digicom® EPO101 (optional) One set of EPO101 consists of 2 fiber-optic cascade convertor DC 50 V4A @s20W Digicom® SPV3008 (optional) One high-speed data transmission connector DC 50 V4A @s20W Digicom® SPV3008 (optional) One high-speed data transmission connector V4A, DV, SD, HDM, Dual Link DV, Video, DisplayPort, 1000Mbps RJ45, 100/1000Mbps self-adaptive DC 12V 6.66A @ s30W	Digicom® Magic3000 emet port Single power supply Single power supp	8GB Windows® 10, Linux CentOS 6.0 (optional) 1+1 hot swappable, redundant power supply ≤30Kg		

Remarks: Specifications are subject to change without prior notice. 1. This feature is applicable to particular models. 2. Compatibility needs prior verification. 3. Audio processing board occupies the output slot of the processor. 4. Wall live view needs prior verification, when Digicom® Ark processor is used with LED video wall. 5. Depends on the type of display unit and actual application.

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