



PIXERA two

Basic technical specifications



Product	PIXERA two	
Available models	PIXERA two Dual Quad	PIXERA two Octo
Art. Nr.	PX2-2/P4 PX2-4/P4	PX2-8/P8S2X22
Physical		
Case Dimension (WxDxH)	445 x 468 x 88,9mm	445 x 468 x 88,9mm
Max. Product Dimension*	484 x 493 x 88,9mm	484 x 493 x 88,9mm
Product Weight	13,1kg	13,1kg
Shipping Dimension	790 x 560 x 220mm	790 x 560 x 220mm
Shipping Weight	21,15kg	21,15kg
Hardware		
Server Grade Hardware Components	Yes	Yes
CPU Type	Intel Xeon SP	Intel Xeon SP
CPU Performance Index	13	22
CPU # of Cores / # of Threads	8/8	10/20
CPU Min/Max Frequency	1,7/1,7GHz	2,2/3,0GHz
RAM	24GB	32GB
RAM Channels used	3	4
ECC RAM	Yes	Yes
Touch Display	-	-
Power		
Power Supply	100-240VAC, 50-60Hz	100-240VAC, 50-60Hz
Power Consumption Peak	800W	800W
Power Consumption Average (with High Load*)	450W	500W
Redundant Power Supply Hot-Plug	Yes	Yes
Heat Dissipation Peak	2730BTU/h	2730BTU/h
Heat Dissipation Average (with High Load*)	1540BTU/h	1710BTU/h
Operating System Storage		
Operating System Amount of Physical SSDs	1	1
Operating System Capacity (Net)	240GB	240GB
Operating System RAID Level	-	-

Data Storage SSD		
Data SSD Amount of Physical Drives	1	1
Data SSD Capacity (Net)	480GB 480GB 960GB	480GB
Data SSD RAID Level	-	-
Data SSD Max. Read Rate	500MB/s	500MB/s
Data Storage NVMe		
Data NVMe Capacity (Net)	Optional	Optional
Data NVMe Max. Read Rate	-	-
Uncompressed Content Playback	Optional	Optional
Playback Duration Uncompressed Content (Single Stream)	-	-
Video Outputs		
Licensed Video Outputs	1-2 3-4	5-8
Physical Video Outputs	4	8
Video Output Standard	DP1.4	DP1.4
Video Output Resolution (Max.)	4096x2160 @60Hz	4096x2160 @60Hz
EDID Management	Yes	Yes
Genlock	Optional	Yes
Framelock	Optional	Yes
GUI Outputs		
GUI Outputs	Optional	Optional
GUI Output Standard	-	-
Max GUI Output Resolution	-	-
Connection		
USB	2x USB3 Front, 2x USB3 Rear, 2x USB2 Rear	2x USB3 Front, 2x USB3 Rear, 2x USB2 Rear
Network	2x 10Gbps	2x 10Gbps
IPMI	1x IPMI LAN	1x IPMI LAN
Video Inputs (Not all configs possible*)		
DVI/RGB/YUV	Optional	Optional
HDMI 2.0	Optional	Optional
3G-SDI	Optional	Optional
Audio Outputs (Not all configs possible*)		
Analog Unbalanced	Stereo (3,5mm TRS)	Stereo (3,5mm TRS)
Analog Balanced	Optional	Optional
SPDIF	Optional	Optional
AES/EBU	Optional	Optional
ADAT	Optional	Optional
MADI	Optional	Optional
MIDI	Optional	Optional
Environmental Specifications - Operating		
Temperature (altitude less than 1000m, no direct sunlight)	10°C to 30°C	10°C to 30°C
Maximum Temperature Gradation	10°C per hour	10°C per hour
Temperature De-Rating (altitude more than 1000m)	Reduce max. temp. by 1°C per 300m	Reduce max. temp. by 1°C per 300m
Maximum Altitude	3000m	3000m
Relative Humidity (noncondensing)	20% RH to 80% RH	20% RH to 80% RH
Maximum Humidity Gradation	10% RH per hour	10% RH per hour

Environmental Specifications -Storage		
Temperature (no direct sunlight)	-30°C to 55°C	-30°C to 55°C
Maximum Temperature Gradation	20°C per hour	20°C per hour
Relative Humidity (noncondensing)	5% RH to 95% RH	5% RH to 95% RH
Maximum Humidity Gradation	10% RH per hour	10% RH per hour
General		
Warranty	2 years	2 years
Optional Warranty	Total 3 4 5 years	Total 3 4 5 years

Software		
Software - OS		
Operating System	AV Stumpfl Media Server OS*	AV Stumpfl Media Server OS*
Software - PIXERA		
PIXERA Software License	PIXERA Server	PIXERA Server
Vioso Camera Calibration	Optional	Optional
Layers	Unlimited	Unlimited
Playout	Unlimited	Unlimited
Local Editing	Yes (GUI Card recommended)	Yes (GUI Card recommended)
3D Visualisation	Yes (GUI Card recommended)	Yes (GUI Card recommended)
Network Master / Manager	Yes	Yes
Rendering (Output, Visu)	Yes (GUI Card recommended, planned 2019)	Yes (GUI Card recommended, planned 2019)
Avio Free License and Avio Manager	Yes	Yes
ESTIMATED SOFTWARE RELEASE DATE: APRIL 2019		
With every new media server, you get free software updates until Dec. 2020		

FHD = 1920x1080, Uncompressed Datarate at 60fps = 375MB/s
 UHD = 3840x2160, Uncompressed Datarate at 60fps = 1,5GB/s
 4K = 4096x2160, Uncompressed Datarate at 60fps = 1,6GB/s

- * Power Consumption Average with High Load = Tested with very high CPU, GPU and SSD load
- * Heat Dissipation Average with High Load = Calculated with very high CPU, GPU and SSD workload
- * Not all configs possible = Not all configurations of video input, network, audio cards are possible. Please ask.
- * AV Stumpfl Media Server OS = Based on Windows embedded/loT x64
- * Max. Product Dimension = Product dimension incl. front handles, back handles, rubber bumpers, etc. Handles can not be removed on all products!
- * Case Dimensions, Product Dimensions: Please note that due to the production process there may be deviations in the dimensions.

