



# 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
<b>Physical</b>		
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
<b>Hardware</b>		
Server Grade Hardware Components	Yes	Yes
CPU Type	Intel Xeon SP	Intel Xeon SP
CPU Performance Index	13 (Optional: 22, 31, 54)	22 (Optional: 31, 54)
CPU # of Cores / # of Threads	8/8 (Optional: 10/20, 14/28, 18/36)	10/20 (Optional: 14/28, 18/36)
CPU Min/Max Frequency	1,7/1,7GHz (Optional: 2,2/3,0GHz, 2,2/3,2GHz, 3,0/3,7GHz)	2,2/3,0GHz (Optional: 2,2/3,2GHz, 3,0/3,7GHz)
RAM	24GB (Optional: 32GB, 48GB, 96GB)	32GB (Optional: 48GB, 96GB)
RAM Channels used	3 (Optional: 4, 6)	4 (Optional: 6)
ECC RAM	Yes	Yes
Touch Display	-	-
<b>Power</b>		
Power Supply	100-240VAC, 50-60Hz	100-240VAC, 50-60Hz
Power Consumption Peak	800W	800W
Power Consumption Average (with High Load*)	450W (Value higher with optional upgrades*)	500W (Value higher with optional upgrades*)
Redundant Power Supply Hot-Plug	Yes	Yes
Heat Dissipation Peak	2730BTU/h	2730BTU/h
Heat Dissipation Average (with High Load*)	1540BTU/h (Value higher with optional upgrades*)	1710BTU/h (Value higher with optional upgrades*)

<b>Operating System Storage</b>		
Operating System Amount of Physical SSDs	1	1
Operating System Capacity (Net)	240GB	240GB
Operating System RAID Level	-	-
<b>Data Storage SSD</b>		
Data SSD Amount of Physical Drives	1	1
Data SSD Capacity (Net)	480GB   480GB   960GB (Optional: 960GB, 1,92TB, 3,84TB)	480GB (Optional: 960GB, 1,92TB, 3,84TB)
Data SSD RAID Level	-	-
Data SSD Max. Read Rate	500MB/s	500MB/s
<b>Data Storage NVMe</b>		
Data NVMe Capacity (Net)	Optional (1TB, 2TB, 4TB)	Optional (1TB, 2TB, 4TB)
Data NVMe Max. Read Rate	Optional (2,5GB/s, 4,5GB/s, 7,0GB/s)	Optional (2,5GB/s, 4,5GB/s, 7,0GB/s)
Uncompressed Content Playback	Optional	Optional
Playback Duration Uncompressed Content (Single Stream)	Optional (10,4min, 20,8min, 41,6min (4k60 TIFF))	Optional (10,4min, 20,8min, 41,6min (4k60 TIFF))
<b>Video Outputs</b>		
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
<b>GUI Outputs</b>		
GUI Outputs	Optional	Optional
GUI Output Standard	Optional (2x mDP1.4)	Optional (2x mDP1.4)
Max GUI Output Resolution	Optional (4096x2160 @ 60Hz)	Optional (4096x2160 @ 60Hz)
<b>Connection</b>		
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
<b>Video Inputs (Not all configs possible*)</b>		
DVI/RGB/YUV	Optional	Optional
HDMI	Optional	Optional
3G-SDI	Optional	Optional
<b>Audio Outputs (Not all configs possible*)</b>		
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

<b>Environmental Specifications - Operating</b>		
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
<b>Environmental Specifications -Storage</b>		
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
<b>General</b>		
Warranty	2 years	2 years
Optional Warranty	Total 3   4   5 years	Total 3   4   5 years

<b>Software</b>		
<b>Software - OS</b>		
Operating System	AV Stumpfl Media Server OS*	AV Stumpfl Media Server OS*
<b>Software - PIXERA</b>		
PIXERA Software License	PIXERA Server	PIXERA Server
Vioso Software License	Optional (Autocal, Autocal Plus)	Optional (Autocal, Autocal Plus)
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

**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 workload
- \* 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/IoT 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.
- \* Value higher with optional upgrades: depending on the selected options the value can be higher - please check manual for exact value.

