



# PIXERA one

Basic technical specifications



Product	PIXERA one
Available models	PIXERA one Dual   Quad
Art. Nr.	PX1-2/P4   PX1-4/P4
<b>Physical</b>	
Case Dimension (WxDxH)	447 x 441 x 44,4mm
Max. Product Dimension*	484 x 489 x 44,4mm
Product Weight	8,3kg
Shipping Dimension	660 x 580 x 160mm
Shipping Weight	11,75kg
<b>Hardware</b>	
Server Grade Hardware Components	Yes
CPU Type	Intel Xeon SP
CPU Performance Index	13   13 (Optional: 22, 31)
CPU # of Cores / # of Threads	8/8   8/8 (Optional: 10/20, 14/28)
CPU Min/Max Frequency	1,7/1,7GHz (Optional: 2,2/3,0GHz, 2,2/3,2GHz)
RAM	24GB (Optional: 32GB, 48GB)
RAM Channels used	3 (Optional: 4, 6)
ECC RAM	Yes
Touch Display	-
<b>Power</b>	
Power Supply	100-240VAC, 50-60Hz
Power Consumption Peak	500W
Power Consumption Average with High Load*	350W (Value higher with optional upgrades*)
Redundant Power Supply Hot-Plug	-
Heat Dissipation Peak	1710BTU/h
Heat Dissipation Average with High Load*	1200BTU/h (Value higher with optional upgrades*)
<b>Operating System Storage</b>	
Operating System Amount of Physical SSDs	1
Operating System Capacity (Net)	240GB
Operating System RAID Level	-

<b>Data Storage SSD</b>	
Data SSD Amount of Physical Drives	1
Data SSD Capacity (Net)	480GB (Optional: 960GB, 1,92TB, 3,84TB)
Data SSD RAID Level	-
Data SSD Max. Read Rate	500MB/s
<b>Data Storage NVMe</b>	
Data NVMe Capacity (Net)	Optional (1TB, 2TB, 4TB)
Data NVMe Max. Read Rate	Optional (2,5GB/s, 4,5GB/s, 7,0GB/s)
Uncompressed Content Playback	Optional
Playback Duration Uncompressed Content (Single Stream)	Optional (10,4min, 20,8min, 41,6min (4k60 TIFF))
<b>Video Outputs</b>	
Licensed Video Outputs	1-2   3-4
Physical Video Outputs	4
Video Output Standard	DP1.4
Video Output Resolution (Max.)	4096x2160 @60Hz
EDID Management	Yes
Genlock	Optional
Framelock	Optional
<b>GUI Outputs</b>	
GUI Outputs	Optional
GUI Output Standard	Optional (2x mDP1.4)
Max GUI Output Resolution	Optional (4096x2160 @ 60Hz)
<b>Connection</b>	
USB	2x USB3 Front, 2x USB3 Rear, 2x USB2 Rear
Network	2x 10Gbps
IPMI	1x IPMI LAN
<b>Video Inputs (Not all configs possible*)</b>	
DVI/RGB/YUV	-
HDMI	Optional
3G-SDI	Optional
<b>Audio Outputs (Not all configs possible*)</b>	
Analog Unbalanced	Stereo (3,5mm TRS)
Analog Balanced	Optional
SPDIF	Optional
AES/EBU	Optional
ADAT	Optional
MADI	-
MIDI	Optional
<b>Environmental Specifications - Operating</b>	
Temperature (altitude less than 1000m, no direct sunlight)	10°C to 30°C
Maximum Temperature Gradation	10°C per hour
Temperature De-Rating (altitude more than 1000m)	Reduce max. temp. by 1°C per 300m
Maximum Altitude	3000m
Relative Humidity (noncondensing)	20% RH to 80% RH
Maximum Humidity Gradation	10% RH per hour

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

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

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.

