



PIXERA ONE

Basic technical specifications



Product	PIXERA ONE
Available models	PIXERA one Dual Quad
Art. Nr.	PX1-2/P4 PX1-4/P4
Physical	
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
Hardware	
Server Grade Hardware Components	Yes
CPU Type	Intel Xeon SP
CPU Performance Index	13 13
CPU # of Cores / # of Threads	8/8 8/8
CPU Min/Max Frequency	1,7/1,7GHz
CPU Pixera Operating Frequency	1,7GHz
RAM	24GB
RAM Channels used	3
ECC RAM	Yes
Touch Display	-
Power	
Power Supply	100-240VAC, 50-60Hz
Power Consumption Peak	500W
Power Consumption Average (with High Load*)	350W
Redundant Power Supply Hot-Plug	-
Heat Dissipation Peak	1710BTU/h
Heat Dissipation Average (with High Load*)	1200BTU/h
Operating System Storage	
Operating System Amount of Physical SSDs	1
Operating System Capacity (Net)	240GB
Operating System RAID Level	-

Data Storage SSD	
Data SSD Amount of Physical Drives	1
Data SSD Capacity (Net)	480GB
Data SSD RAID Level	-
Data SSD Max. Read Rate	500MB/s
Data Storage NVMe	
Data NVMe Capacity (Net)	Optional
Data NVMe Max. Read Rate	-
Uncompressed Content Playback	Optional
Playback Duration Uncompressed Content (Single Stream)	-
Video Outputs	
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
GUI Outputs	
GUI Outputs	Optional
GUI Output Standard	-
Max GUI Output Resolution	-
Connection	
USB	2x USB3 Front, 2x USB3 Rear, 2x USB2 Rear
Network	2x 10Gbps
IPMI	1x IPMI LAN
RS232	1x RS232
Video Inputs (Not all configs possible*)	
DVI/RGB/YUV	-
HDMI 2.0	Optional
3G-SDI	Optional
Audio Outputs (Not all configs possible*)	
Analog Unbalanced	Stereo (3,5mm TRS)
Analog Balanced	Optional
SPDIF	Optional
AES/EBU	Optional
ADAT	Optional
MADI	-
MIDI	Optional
Environmental Specifications - Operating	
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

Environmental Specifications -Storage	
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
General	
Warranty	2 years
Optional Warranty	Total 3 4 5 years

Software	
Software - OS	
Operating System	AV Stumpfl Media Server OS*
Backup and Snapshot Manager	Yes
Software - Pixera	
Pixera Software License	Pixera Server
Vioso Camera Calibration	Optional
Layers	Unlimited
Playout	Full
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)
Software - Wings RX	
Wings Software License	Wings RX
Vioso Camera Calibration	Vioso Lite
Wings Avio License	Avio Advanced
Avio Manager	Yes
Wings Touch	Yes
ESTIMATED HARDWARE RELEASE DATE: OCTOBER 2018 ESTIMATED SOFTWARE BETA RELEASE DATE: WINTER 2018 With every new media server, you get free software upgrades 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 Server OS = Based on Windows embedded 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.

