



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	17 17 (Optional: 27, 37)
CPU # of Cores / # of Threads	8/16 8/16 (Optional: 12/24, 16/32)
CPU Min/Max Frequency	2,1/3,2GHz (Optional: 2,4/3,5GHz, 2,2/3,9GHz)
RAM	24GB (Optional: 32GB, 48GB)
RAM Channels used	3 (Optional: 4, 6)
ECC RAM	Yes
Power	
Power Supply	100-240VAC, 50-60Hz
Power Consumption Peak	500W
Power Consumption Average with High Load*)	350W (Value higher with optional upgrades*)
Heat Dissipation Peak	1710BTU/h
Heat Dissipation Average with High Load*)	1200BTU/h (Value higher with optional upgrades*)
Operating System Storage	
Operating System Amount of Physical SSDs	1
Operating System Capacity (Net)	240GB
Data Storage NVMe Onboard	
Data NVMe Capacity (Net)	1TB (Optional: 2TB)
Data NVMe Max. Constant Read Rate	1,6GB/s
Uncompressed Content Playback	Yes
Playback Duration Uncompressed Content (Single Stream)	10,4min (4k60) (Optional: 20,8min)

Video Outputs	
Licensed Video Outputs	1-2 3-4
Physical Video Outputs	4
Video Output Standard	DP1.4a
Video Output Resolution (Max.)	5120x2880 @60Hz
EDID Management	Yes
Genlock	Optional
Framelock	Optional
GUI Outputs	
GUI Outputs	Optional
GUI Output Standard	Optional (2x mDP1.4)
Max GUI Output Resolution	Optional (4096x2160 @ 60Hz)
Connection	
USB	2x USB3 Front, 2x USB3 Rear, 2x USB2 Rear
Network	2x 10Gbps
IPMI	1x IPMI LAN
Video Inputs (Not all configs possible*)	
HDMI	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
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	Windows 10 IoT x64
Software - PIXERA	
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)
PIXERA control GATE License	Yes

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.
- * 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.

