



# PIXERA one Gen. 2

Basic technical specifications



Product	PIXERA one
Available models	Pixera one Gen.2 Dual   Quad
Art. Nr.	Dual Quad PX1-2-G2 PX1-4-G2
<b>Physical</b>	
Case Dimension (WxDxH)	444 x 441 x 44,4mm
Max. Product Dimension*	484 x 489 x 44,4mm
Product Weight	8,3kg
<b>Hardware</b>	
Server Grade Hardware Components	Yes
CPU Type	Intel Xeon SP
CPU Performance Index	14   24
CPU # of Cores / # of Threads	8/8   12/24
CPU Min/Max Frequency	1,8/1,9GHz   2,0/3,9GHz
RAM	64GB   128GB
RAM Channels used	4   8
ECC RAM	Yes
<b>Power</b>	
Power Supply	100-240VAC, 50-60Hz
Power Consumption Peak	500W
<b>Operating System Storage</b>	
Operating System Amount of Physical SSDs	1
Operating System Capacity (Net)	500GB
<b>Data Storage NVMe Onboard</b>	
Data NVMe Capacity (Net)	1.92TB
Data NVMe Max. Read Rate	(Optional up to 15,36TB)
Uncompressed Content Playback	Yes

<b>Video Outputs</b>	
Licensed Video Outputs	PIXERA Director   2   4
Physical Video Outputs	4
Video Output Standard	DP1.4a
Video Output Resolution (max. per Output)	5120x2880 @60Hz
EDID Management	Yes
Genlock	Optional
Framelock	Optional
<b>GUI Outputs</b>	
GUI Outputs	Optional
GUI Output Standard	Optional (2x mDP1.4a)
Max GUI Output Resolution	Optional (4096x2160)
<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>	
HDMI	Optional
3G-SDI	Optional
12G-SDI	Optional
<b>Audio Outputs (Not all configs possible*)</b>	
Analog Balanced	Stereo balanced (6,35mm TRS)
SPDIF	Optional
AES/EBU	Optional
ADAT	Optional
MIDI	Optional
DANTE Virtual Soundcard	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	Windows 10 IoT x64
<b>Software - PIXERA</b>	
PIXERA Software License	Pixera Director   PIXERA Server
Vioso Camera Calibration	Optional
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	PIXERA control GATE

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.

