PIXERA two - Basic Technical Specifications

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Product	PIXERA two
Available models	PIXERA two Gen.2 Dual | Quad
Art. Nr.	PX2-2-G2 | PX2-4-G2

Physical

Case Dimension (WxDxH)	445 x 468 x 88,9mm
Max. Product Dimension (WxDxH)	484 x 493 x 88,9mm
Product Weight	13,1kg

Rack Dimensions

Dimensions (depth between X and Y)	675mm and 920mm

Hardware

Server Grade Hardware Components	Yes
CPU Type	Intel Xeon SP
CPU Performance Index	24|50|64
CPU # of Cores / # of Threads	12/24 | 24/48 | 32/64
CPU Min/Max Frequency	2,1/3,9GHz | 2,1/3,9GHz | 2,0/3,4GHz
RAM	128GB
RAM Channels used	8

ECC RAM	Yes

Power

Power Supply	100-240VAC, 50-60Hz
Power Consumption Peak	800W

Heat Dissipation

Heat Dissipation Peak	2430BTU/h
Heat Dissipation Average with High Load*	1540BTU/h

Operating System Storage

Operating System Amount of Physical NVMEs	1
Operating System	500GB

Data Storage NVMe SSD

Data NVMe Capacity (Net)	1,92TB (Optional up to 30,72TB))
Data NVMe Max. Read Rate	5GB/s (Optional up to 10GB/s)
Uncompressed Content Playback	Yes

Video Outputs

Licensed Video Outputs	PIXERA Director 2 | 4
Physical Video Outputs	4
Video Output Standard	DP1.4a
Video Output Resolution (Max.)	5120x2880
EDID Management	Yes
Genlock	Optional
Framelock	Optional

GUI Outputs

GUI Outputs	Optional
GUI Output Standard	Optional (4x mDP1.4a)
Max. GUI Output Resolution	Optional (4096x2160)

Connection

USB	2x USB3 Front, 2x USB3 Rear, 2x USB2 Rear
Network	2x10Gbps
IPMI	1xIPMI LAN

Video Inputs (Not all configs possible*)

HDMI 2.0	Optional
HDMI 2.1	Optional
3G-SDI	Optional
12G-SDI	Optional

Audio Outputs (Not all configs possible*)

Analog Balanced	Stereo balanced (quarter-inch TRS jack)
SPDIF	Optional
AES/EBU	Optional
ADAT	Optional
Dante virtual soundcard	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. temperature by 1°C per 300m
Maximum Altitude	3000m
Relative Humidity (nonconsidering)	20% RH to 80% RH
Maximum Humidity Gradiation	10% RH per hour

Environmental Specifications -Storage

Temperature (no direct sunlight)	-30°C to 55°C
Maximuum Temmperature Gradation	20°C per hour
Relative Humidity (noncondensing)	5% RH to 95%% RH
Maximum Humidity Gradation	10% RH per hour

Operating Noise Level

Operating Noise Idle	37dB(A)
Operating Noise Max.	78dB(A)

General

Warranty	2 years
Optional Warranty	Total 3 | 4 | 5 years

Software

Software OS

Operating System	Windows 10IoT x64

Software - PIXERA

Pixera Software License	PIXERA Director | PIXERA Server
Vioso Camera Calibration	Optional

Software

Layers	Unlimited
Playout	Unlimited
Local Editing	Yes (GUI Output recommended)
3D Visualisation	Yes (GUI Output recommended)
Network Master/ Manager	Yes
Rendering (Output, Visu)	Yes (GUI Output 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 configurations possible = Not all configurations of video input, network, audio cards are possible. Please ask

*Max. Product Dimension = Product dimension incl. front handles, rubber bumpers, etc.
  Handles can not be removes on all products.

*Case Dimension, 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.

17.04.2025| R.F

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WELCOME TO THE PIXERA HELP CENTER!

The Pixera knowledge base is the gateway to becoming a professional in AV Stumpfl's Pixera ecosystem.

This Help Center covers different workflows and features in Pixera. We are still in the process of expanding the available documentation. Although we try to maintain and add as much as possible, unfortunately not every feature is documented as of now. If there are certain topics missing, please send a request via the contact-form.

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