



PIXERA zero

Basic technical specifications

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Technical product details



| Product | PIXERA zero |
|--|-------------------------|
| Available models | PXZ-0 PXZ-2 PXZ-4 |
| Art. Nr. | PXZ-BC |
| Physical | |
| Case Dimension (WxDxH) | 210 x 265 x 89,3mm |
| Max. Product Dimension* | 210 x 265 x 89,3mm |
| Product Weight | 3,72kg |
| CPU/RAM | |
| CPU Type | Intel Xeon |
| CPU # of Cores / # of Threads | 6 Core/ 12 Threads |
| CPU Min/Max Frequency | 2,9/5,0GHz |
| RAM | 32GB |
| RAM Channels used | 2 |
| Power | |
| Power Supply | 100-240VAC, 50-60Hz |
| Power Consumption Peak | 300W |
| Heat Dissipation Peak | 1025BTU/h |
| System Storage NVMe | |
| Operating System Amount of Physical NVMe | 1 |
| Operating System Capacity (Net) | 0.5TB |
| Data Storage NVMe (Optional) | |
| Data NVMe Capacity (Net) | 1.92TB |
| Data NVMe max. Constant Read Rate | 5GB/s |
| Uncompressed Content Playback | YES |
| Video Outputs | |
| Licensed Video Outputs | PIXERA Director 2 4 |
| Physical Video Outputs | 4 (4xFHD, 2x4k) |

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|--|--|
| Video Output Standard | mDP1.4a |
| Video Output Resolution (Max.) | 7680x4320@60Hz |
| EDID Management | Yes |
| Video Outputs (Optional) | |
| Licensed Video Outputs | PIXERA Director 2 4 |
| Physical Video Outputs | 4 (4x4k) |
| Video Output Standard | mDP1.4a |
| Video Output Resolution (Max.) | 7680x4320@60Hz |
| EDID Management | Yes |
| Connection | |
| USB | 1x USB3 Front, 2x USB3 Rear + 2x USB2 Rear |
| Network | 2x 1Gbps |
| IPMI | 1x IPMI LAN |
| 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 |

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|--------------------------|--|
| Software | |
| Software - OS | |
| Operating System | Windows 10 IoT x64 |
| Software - PIXERA | |
| PIXERA Software License | PIXERA Director PIXERA Server |
| Vioso Software License | Optional |
| Layers | Unlimited |
| Playout | Unlimited |
| Local Editing | Yes, Not recommended during playback! (Via Video Outputs) |
| 3D Visualisation | Yes (GUI Output recommended) |
| Network Master / Manager | Yes, Not recommended during playback! (Via Video Outputs) |
| Rendering (Output, Visu) | |
| PIXERA control | Yes |

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|-----|---|---|---|---------|
| 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.

