



SPEC SHEET

**SURVEILLANCE
MULTIMEDIA
APPLIANCE**

MODEL: Six4K

HIGH DENSITY DISPLAY

The Six4K platform from BlueBox provides a high definition, compact multimedia appliance for 24/7 command and control surveillance environments. Equipped with 6 Ultra HD outputs, the Six4K simplifies traditional video wall systems by reducing footprint to a powerful, single condensed 2U appliance. Combined CPU and GPU technologies present users with a generic hardware platform for choice of software application. The Six4K allows video to be received from the network, local disk or via PCIe. Action the latest graphics technologies to provide an unrestricted video layout design under a familiar Windows operating platform. The Six4K can be configured for multiple output arrangements using DisplayPort or HDMI.

HIGH DENSITY DECODE

A Six4K appliance is optionally supplied with the latest Windows 10 Pro operating system installed and configured. Interfaces including DirectX and OpenGL allow user applications to leverage hardware acceleration technology found within the appliances latest generation Xeon desktop processor. Combined Intel Quick Sync and NVIDIA Pascal hardware supports H265, H264, MPEG2, MJPEG, VC-1 and VC8 video acceleration. The multimedia appliance is capable of decoding and displaying 26 1080p at 25 FPS H264 video IP streams. The Six4K combines decode, display and recording of IP camera video streams into a single appliance.

HARDWARE PLATFORM

The Six4K is a custom industrial hardware platform sourced from long life professional grade embedded components. The customised appliance provides a resistant enclosure for physical durability, thermal optimization and reduced power consumption. Monitor hot plug emulation and active hardware re-drivers are supplied on all Display Port outputs up to 20 metres.

TECHNICAL

Platform	Custom embedded motherboard
Processor	Intel Xeon E3-1578L V5
Graphics	Intel Iris Pro 580 Plus NVIDIA Pascal P-Series
Display	6 x 3840 x 2160p 32 bpp at 60 Hz over DisplayPort 1.2
Memory	2 x 4GB Dual DDR4, upgrade options available (Up to 32GB, 2133MHz, 1.2V)
Storage	Supports 2 x 2.5" SSD for RAID configuration
Connectivity	2 x USB 3.0 Ports 2 x USB 2.0 Ports 2 x Gigabit Ethernet NIC Ports 1 x PCIe Slot (x4, Gen 3.0 electric, x8 half height physical)
Software	Optional Windows 10 Pro - 64 Bit – optional BlueBox multimedia scripting interface
Power Supply	250W Internal FlexATX (110V - 240V)
Operating Conditions	0 to 35 °C (32 to 95 °F) - 5% to 90% non-condensing
Storage Conditions	-20 to 70 °C (-4 to 158 °F)
Dimensions	2U Perforated Case: 88 (H) x 482 (W) x 220 (D) mm
Weight	3 Kg MAX.
Compliance	FCC / CE / RoHS
Warranty	3 Years (extended available)



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