


SPEC SHEET
**SURVEILLANCE
MULTIMEDIA
APPLIANCE**
MODEL: Eight1080
HIGH DENSITY DISPLAY

The Eight1080 platform from BlueBox provides a high definition, compact multimedia appliance for 24/7 command and control surveillance environments. Equipped with 8 True HD outputs, the Eight1080 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 Eight1080 allows video to be received from the network, local disk or via PCIe. Users can action the latest graphics technologies to provide an unrestricted video layout design under a familiar Windows platform. The Eight1080 can be configured for multiple output arrangements using DisplayPort or HDMI.

HIGH DENSITY DECODE

An Eight1080 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 i7 desktop processor. Intel Quick Sync framework currently supports H265, H264, MPEG2, MJPEG, VC-1 and VP8 hardware video acceleration. The multimedia appliance is capable of decoding and displaying 26 1080p at 25 FPS H264 video IP streams. The Eight1080 combines decode, display and recording of IP camera video streams into a single appliance.

HARDWARE PLATFORM

The Eight1080 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	7th Generation Intel Core i7-7700T
Graphics	Intel Iris 630 Plus AMD E8870
Display	8 x 1920 x 1080p 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)


Web: www.bluebox.video Email: sales@bluebox.video