Esterline
Featuring CODIS Products

NETVIZ

MDP-471/4 main display for ATC

including NetViz At The Glass recording

With 15,000 units already in the field, Esterline's 2Kx2K main display is the world's leading display for ATC working positions. Codis MDP-471/4 combines the trusted 2Kx2K format with higher contrast, a wider viewing angle and noiseless performance – all in a slim and stylish design.

Integrating NetViz At The Glass recording

The MDP-471/4 comes with the unique NetViz module for At The Glass Recording: the display data is streamed with lossless compression and a low bandwidth, at a typical 30 fps refresh rate. At the same time, an uncompressed, real-time, zero-latency stream is available for remote viewing, in pixel-perfect quality, exactly as it appears on the ATC display.

Unequaled image quality

Featuring a 28" IPS-Pro LCD screen (4MP), the MDP-471/4 ensures brightness uniformity in white, gray and black images, with zero bright dot defects. The wide viewing angle, high contrast and anti-reflective coating help you see more detail, enhance comfort and reduce eye fatigue.

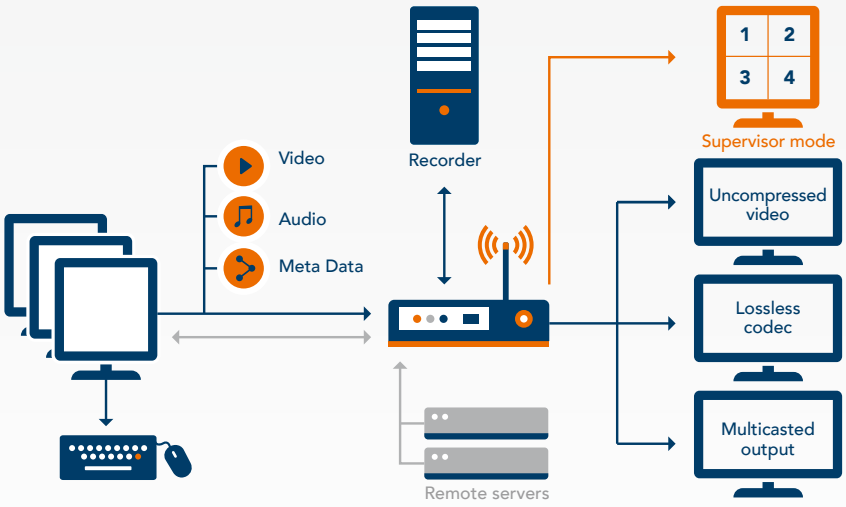
Unique design

The slim, stylish and noiseless design – with all cables neatly covered and no fans spinning – makes the MDP-471/4 ideal for use in an open environment. Its low weight and mechanical flexibility allow of easy installation.

Low TCO

MDP-471/4 displays, which come with a 5-year warranty, have a very low life cycle cost. They use energy-saving LED backlights, produce no heat and consume near-zero energy when idle. More than that, the unique NetViz technology helps you reduce operating costs on legal recording infrastructure, as it minimizes the need for data storage without having to invest in proprietary (networking) equipment.

NetViz At The Glass recording: workflow



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	MDP-471/4/NS specification
NetViz	
Features	True At The Glass recording Designed for critical applications Simultanious Multiple multicast IP streams with video content (recording / real time) Audio support Metadata streaming (display status information, input selection, user setting, ...) Redundant network ; 2 SFP+ ports, either 2x 1Gbps ***copper,*** or 2x 10Gbps ***fiber***. Encoding and decoding done on display side, off loading recording ATM system hardware
Fidelity	High Fidelity : mathematically loss less codec for recording and playback High Fidelity and subframe latency for real time integration with remote servers
Multicast streams	ATC codec stream for recording H264 stream (RFC3984) Uncompressed stream (RFC4175) for real time interaction
Bandwidth recording	Typical 1 Mb/s in normal operation for ATC content 30 fps streaming in normal operation for ATC content No peak bandwidth usage at start of recording Traffic shaping - bandwidth controlling Max bandwidth usage per NetViz is user settable
Bandwidth real time	6 Gbyte/sec transfer for real time streaming (in/out) ; subframe latency allows real time interation with remote servers
Audio	All audio connectors are female stereo 3.5mm jack
Line input	1 stereo line-level audio input
Mic input	1 mono microphone-level audio input, with bias
Line output	1 stereo line-level audio output
USB	Support HID usb devices for Keyboard / Mouse
Upgrade	Upgrade KIT available for conversion of standard MDP-471/4 to a netstream enabled unit

2Kx2K Display	
Native resolution	2048 x 2048 pixels
Backlight	Edge LED backlight system
LED lifetime	> 100.000 hours
Brightness	150 cd/m² calibrated and stabilized over lifetime Uncalibrated max brightness typical 375 cd/m²
Contrast Ratio	Typical 1500:1 - ratio of white/black image (Min 1200:1)
Noise	NO FANS - Passive cooling only
Video inputs	2 x DVI-D Dual link 2 x Display Port
Analog RGB (optionally)	Connector type: 5 x BNC
Power consumption	Pnom is typ 75 Watt 150 cd / m2 Pmax is typ 100 Watt 375 cd/ m2 Recording add typical <30 Watt

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