

PRODUCT NAME

KILOVIEW N60 BI-DIRECTIONAL 4K HDMI/USB - NDI CONVERTER

DESCRIPTION

The Kiloview N60 is an all-new, full-featured converter supporting the NDI standard. Utilising advanced FPGA technology and advanced AVC/HEVC and NDI algorithms, the device allows 4Kp60 signals to be encoded using NDI HB, NDI HX and SRT, and decoded using NDI HB and NDI HX. As a result, it meets all expectations and demands for IP-based video transmission.

The N60 supports the professional YCbCr 4:2:2 colour space and 10-bit colour depth (the popular 8-bit colour depth is also available). This guarantees higher image and colour quality, particularly important in the broadcast and medical industries where colour accuracy is crucial.

With ultra-low latency, the Kiloview N60 is a powerful bi-directional tool, enabling 4K video transmission over IP with minimal latency. The hardware supports the conversion of 4K HDMI video into NDI and NDI|HX streams, decoding of NDI and NDI|HX streams into HDMI format and support for Loop out functionality for viewing on a monitor or projector.

The N60 features a large colour LCD screen and an intuitive control dial for easy customisation, navigation and video source management. In addition, there is a built-in small dial on the rear of the unit for status display. The converter supports an extended USB audio interface, enabling

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DESCRIPTION (CONTINUED)

comprehensive real-time intercom between Kiloview device operators and associated Kiloview Intercom System (KIS) groups.

The unit provides PTZ camera control via a USB interface to RS-232/RS-485/RS-422 serial ports. In addition, it also supports network control protocols, such as Sony Visca/PELCO-D/PELCO-P, for external PTZ camera control. The equipment has two Ethernet interfaces, one of which supports PoE (IEEE 802.3AT) power, allowing easy connection to power and network transmission via a single cable. Additionally, it supports DC 12V power, allowing the unit to be powered from a portable charger or camera battery.

With the ability to record NDI encoded video directly to a TF card (microSD), the N60 provides memory expansion, protecting recordings from video frame loss due to latency or network interruptions. Supports MOV format for local recording. *Free future update will be available soon.

Rent the versatile Kiloview N60 converter at SQM Rental House!

SPECIFICATIONS

Category	Converter
Supported video formats	720p50 - 4Kp60
Protocols	SRT
Protocols	NDI HX 2/3
Protocols	NDI HB
Bit rate	200 Mbps (4K30)
Bit rate	90 Mbps (720p60)
Bit rate	250 Mbps (4K60)
Bit rate	125 Mbps (1080p60)
Power supply	12V DC
Max. power consumption (W)	16
Width (mm)	135
Height (mm)	35
Depth (mm)	98
Connectors	2 x Ethernet (RJ45, incl. 1 x PoE)
Connectors	MicroSD card slot
Connectors	2 x HDMI (Input/output)
Connectors	2 x 3.5mm jack (Audio input/output)
Connectors	1 x USB-A 3.0

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Connectors	1 x USB-C 3.0