KILOVIEW®

N60/N50 4K All-In-One Encoder/Decoder

PERFECT A/V TRANSMISSION

NDI+SRT | Integrated Encoding & Decoding | 4KP60 HDMI/12G-SDI



NDI CERTIFIED
NDI HX CERTIFIED
NDI HX3 CERTIFIED
SRT
4K ULTRA HD

N60 / N50 is Kiloview's flagship 4K HDMI / 12G-SDI all-in-one bi-directional converter, delivering next-level IP video performance. Supporting AVC, HEVC, and NDI codecs, it works with NDI HB, NDI HX2 / HX3, SRT, RTMP, HLS, TS-over-UDP, RTP, and RTSP.

Built for professional broadcast, it delivers 4:2:2 10-bit HDR image quality and supports seamless internet transmission via the NDI Bridge Utility. Fully compatible with NDI 6.3, it enhances performance and workflow efficiency. Additional features such as PoE, Tally, PTZ control, KIS Pro intercom, and 3.5mm audio embedding complete its professional IP production capabilities.

N60 N50



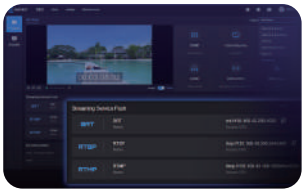
Bi-directional Encoding & Decoding

The N60/N50 integrates encoding & decoding, supporting conversion of 4K HDMI (N60)/12G-SDI (N50) signals to or from NDI HB, NDI HX2/ HX3, SRT, and RTMP video streams. In encoding mode, they also support loop-out for real-time monitoring on a display or projector, real-time preview of the decoded video, ready to monitor at any moment.



4K HDR Tier-1 Image Quality

The N60/N50 delivers 4K HDR with 4:2:2 10-bit image quality, providing rich detail and true-to-life color for professional productions.



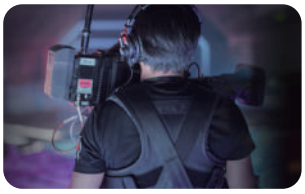
Comprehensive Protocol Support

Supporting comprehensive IP protocols including NDI HB, NDI HX2, NDI HX3, SRT, RTMP, RTSP, HLS, UDP, and RTP, the N60/N50 enables seamless format conversion and cross-platform interoperability.



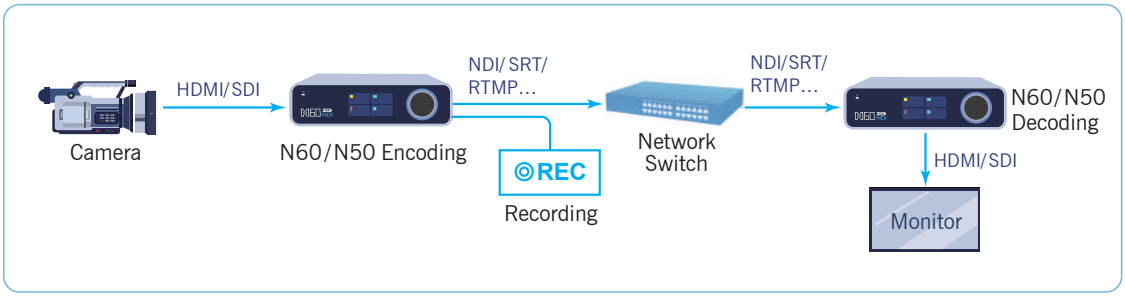
Broadcast-Grade Interlaced & Progressive

The N60/N50 is compatible with 1080i50/i60 signals, delivering native 1080i output or conversion to 1080p50/p60, and includes SEI timecode embedded with multi-camera feed synchronization.



Flexible Audio Options

The N60/N50 provides comprehensive audio integration, including HDMI/SDI audio embedding/de-embedding, real-time 3.5mm analog input, and up to 8-channel audio decoding and transmission.



Broadcast | Sports | Corporate | Houses of Worship

NDI 6.4 Ready

The next step in IP connectivity



More Features

- 4:2:2 10-bit
- High dynamic range capable
- Multi-storage





- Compact size with cold-shoe mounting
- 1.91” LCD for device status
- Rotary knob for quick settings
- Front-panel LCD screen as Tally
- Dual 1G Ethernet ports (one PoE port)
- 3.5mm audio line in and out
- Supports recording via TF card
- Dual USB ports for voice intercom, Tally, PTZ control, and external USB storage
- N60: 4K HDMI I/O
- N50: 12G-SDI I/O

N60/N50 Tech Specs

Model	N60/N50
Internet Protocol	NDI High Bandwidth, NDI HX2/HX3, SRT, RTMP, HLS, TS-over-UDP, RTP, and RTSP
Video Input	**N60:** 4KP60 HDMI **N50:** 12G-SDI
Video Output/Loopout	**N60:** 4KP60 HDMI **N50:** 12G-SDI
Network	2*RJ45 1000Mbps Ethernet port (1 with PoE)
Audio Port	1 * 3.5mm Line in 1 * 3.5mm Line out
Resolution	Up to 4KP60
USB Port	1 * USB 3.0 Type-A 1 * USB 3.0 Type-C
PoE	Support
Tally	LCD Tally, back panel Tally, and external Tally
PTZ Control	USB extension support/PTZ over IP network control
DHCP	Support
Recording	Support (USB/NAS)
Management	Web UI, HTTP/HTTPS APIs, KiloLink Server Pro or AVX24-4
Dimension (mm)	**N60:** 135 * 105.5 * 35mm **N50:** 135 * 123.6 * 35mm
Power Consumption	16w Max
Display	1.91" LCD screen
Color Performance	4:2:2 10-bit
Weight	**N60:** 480g **N50:** 520g

Please scan with browser.

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Reminder: All photoes are for reference only, specifications are subject to the phisycal product.