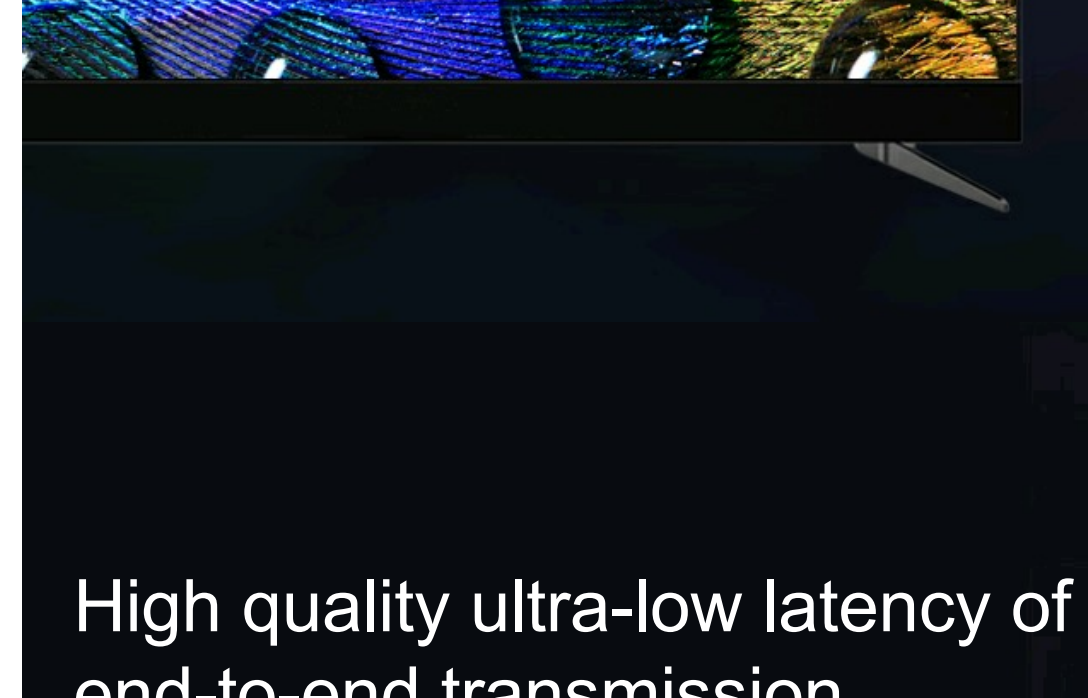


# Best 4K HDMI to NDI Bi-Directional Converter

NDI|HX  
Encoding & Decoding  
One

## Both NDI and NDI|HX Cover all your needs

Kiloview N60 is a brand-new full-function NDI converter. Adopting the leading FPGA technologies, advanced-level AVC/HEVC algorithm, and NDI algorithm, Kiloview N60 supports 4Kp60 format encoding/decoding with both NDI High-bandwidth and NDI|HX, meeting all your demands and applications of IP-based video transmission.



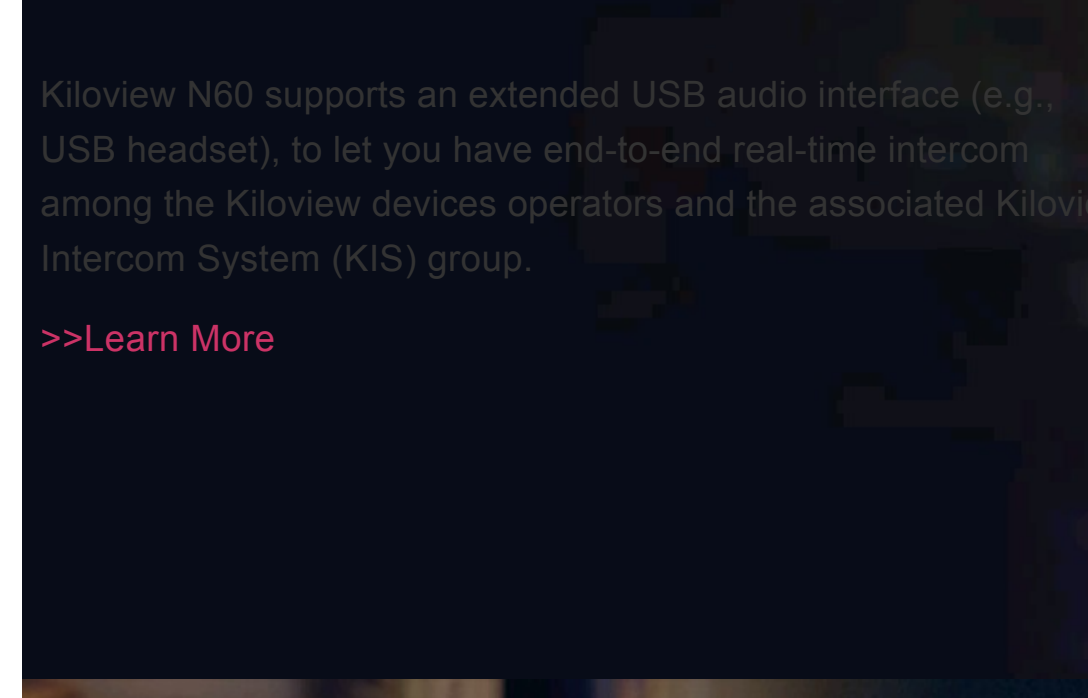
## Encoding & Decoding Converter

Kiloview N60 supports encoding/decoding of NDI as well as NDI|HX by H.264/H.265.

In the encoding mode, Kiloview N60 can encode a 4K HDMI signal into an NDI and NDI|HX video stream.

In the decoding mode, Kiloview N60 will automatically adapt the NDI and NDI|HX format as your end needs.

Kiloview N60 will take care of your 4Kp60 video transmission.



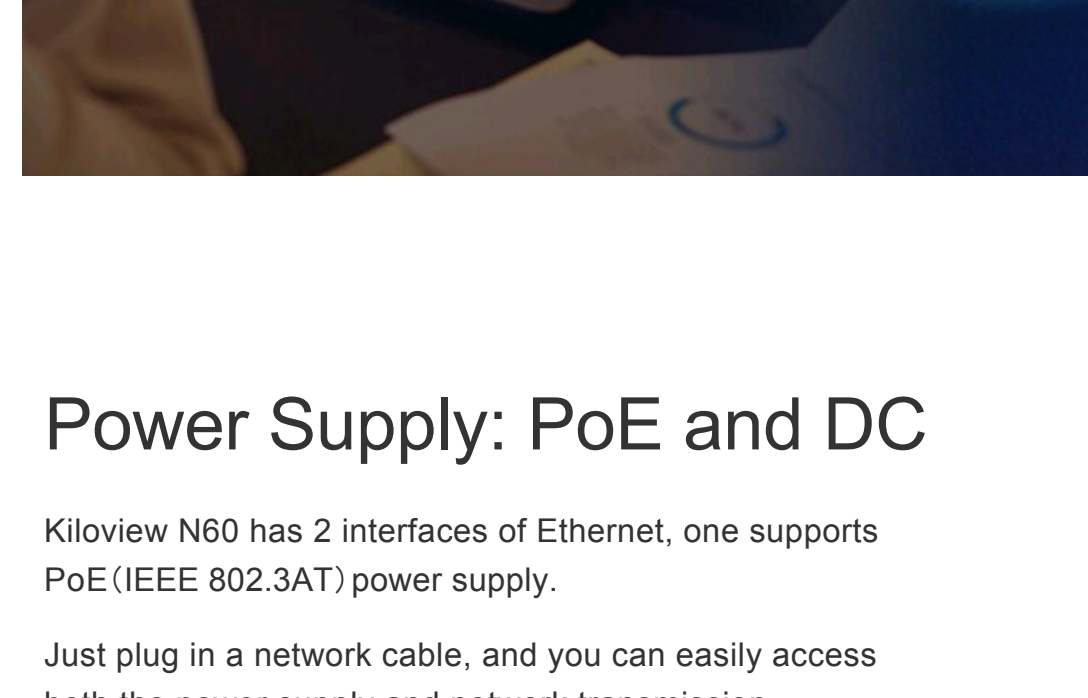
## Better color performance: Up to YCbCr 4:2:2 and 10bits color depth

The N60 supports a professional YCbCr 4:2:2 color space and a 10-bit color depth (the common 8-bit color depth is also available). N60 promises higher color and image quality, particularly to fulfill the needs in the broadcasting and medical imaging industries that bear no color fringing.

## High quality ultra-low latency of end-to-end transmission

With ultra-low end-to-end latency, KILOVIEW N60 is a powerful bi-directional converter that supports every second of your 4K video transmission over IP.

- Encoding 4K HDMI video signal into NDI and NDI|HX stream.
- Decoding NDI and NDI|HX streams into HDMI.
- Loop-out for view on a monitor or projector.



## Large-sized Color LCD Screen and Scroll Wheel

As an upgrade of KILOVIEW N6, N60 is designed for better user experiences.

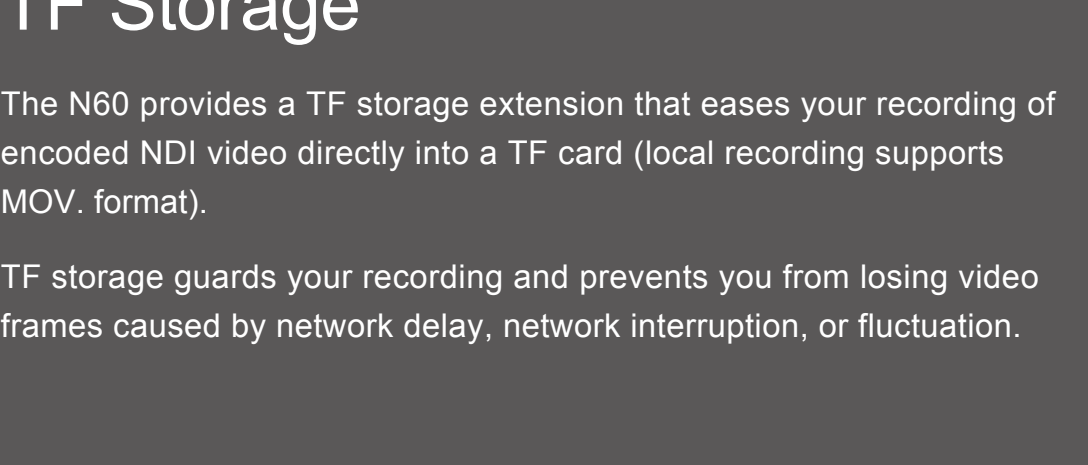
A big color LCD screen and a scroll wheel enable you to customize settings, switch on/off, set quick shortcuts, and control all video sources with preminent ease.

At the back of the N60, there is a built-in small tally to show the status.

## Audio and Intercom

Kiloview N60 supports an extended USB audio interface (e.g. USB headset), to let you have end-to-end real-time intercom among the Kiloview devices operators and the associated Kiloview Intercom System (KIS) group.

>>>Learn More



## PTZ Control

Kiloview N60 supports PTZ control through USB to serial RS232/485/422.

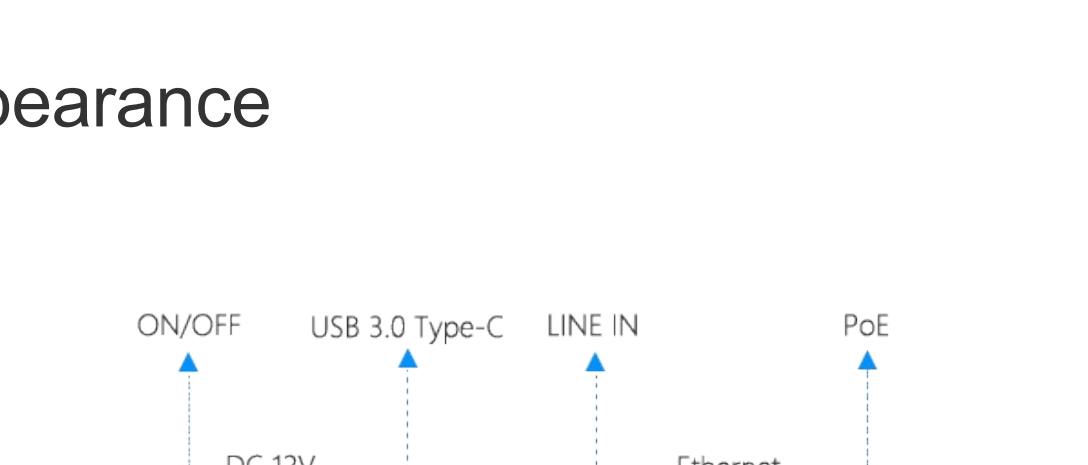
N60 also adopts Network control protocols (such as Sony VISCA/PELCO-D/PELCO-P) for external PTZ control.

## Power Supply: PoE and DC

Kiloview N60 has 2 interfaces of Ethernet, one supports PoE (IEEE 802.3AT) power supply.

Just plug in a network cable, and you can easily access both the power supply and network transmission.

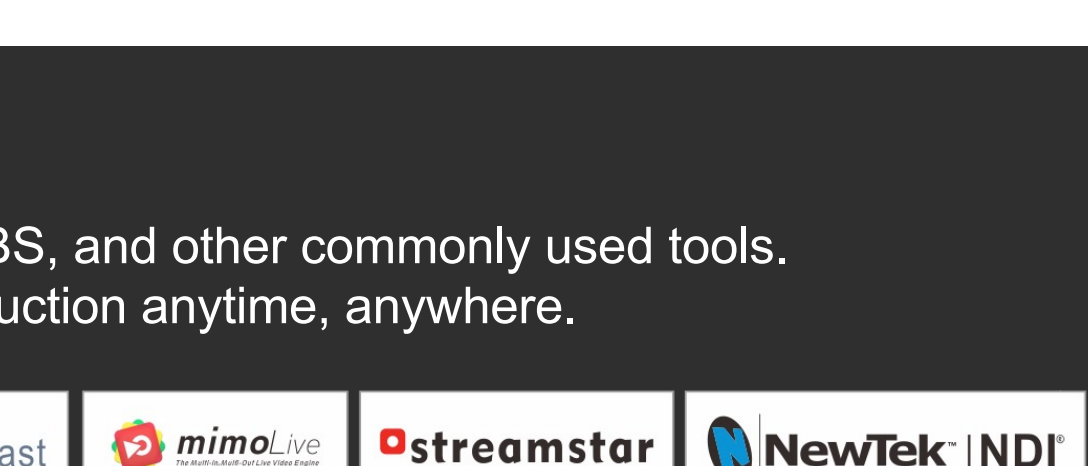
It also supports DC 12V power supply and can easily power the device with a portable charger or camera battery.



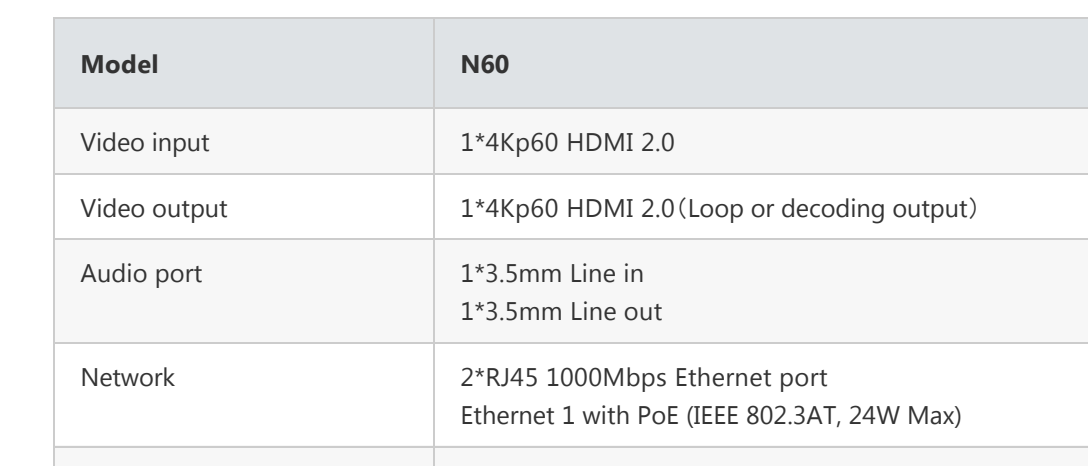
## TF Storage

The N60 provides a TF storage extension that eases your recording of encoded NDI video directly into a TF card (local recording supports MOV format).

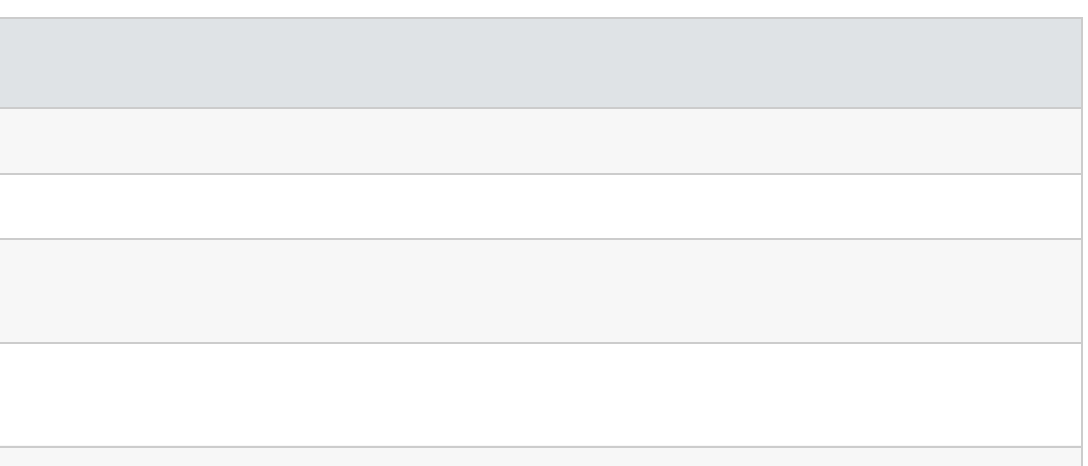
TF storage guards your recording and prevents you from losing video frames caused by network delay, network interruption, or fluctuation.



## Flexible Mounting Choices

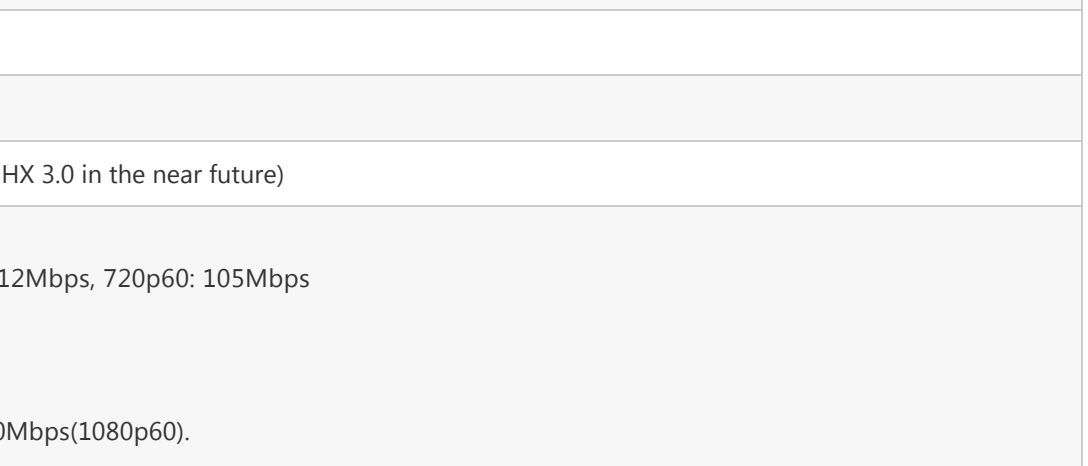
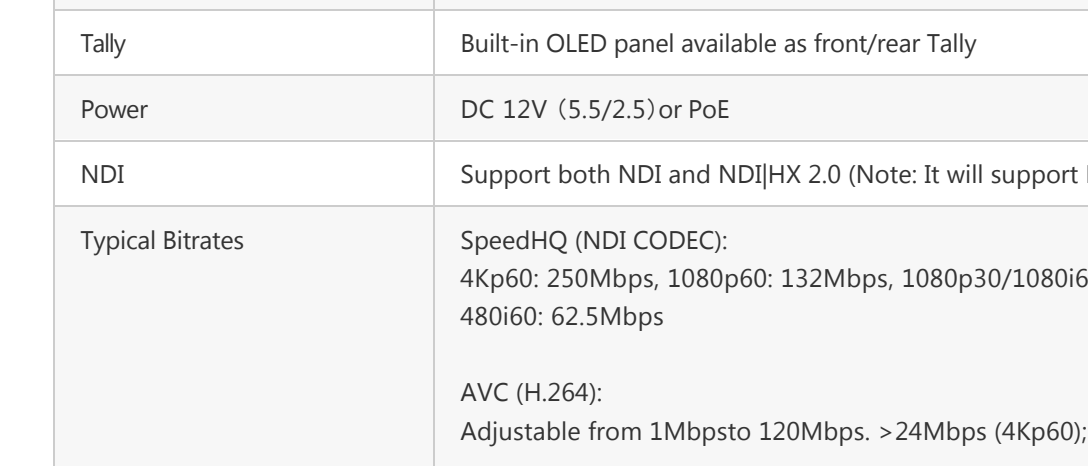


The thoughtful designed, small and light-weight cold shoe can easily stand on your camera by a simple threaded screw.

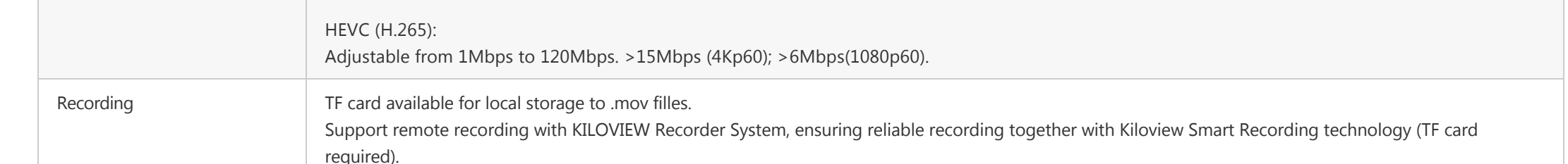


V-mount battery accessories are also available for purchase.

## N60 Appearance



Compatible with TriCaster, vMix, OBS, and other commonly used tools. Carry out your video production anytime, anywhere.



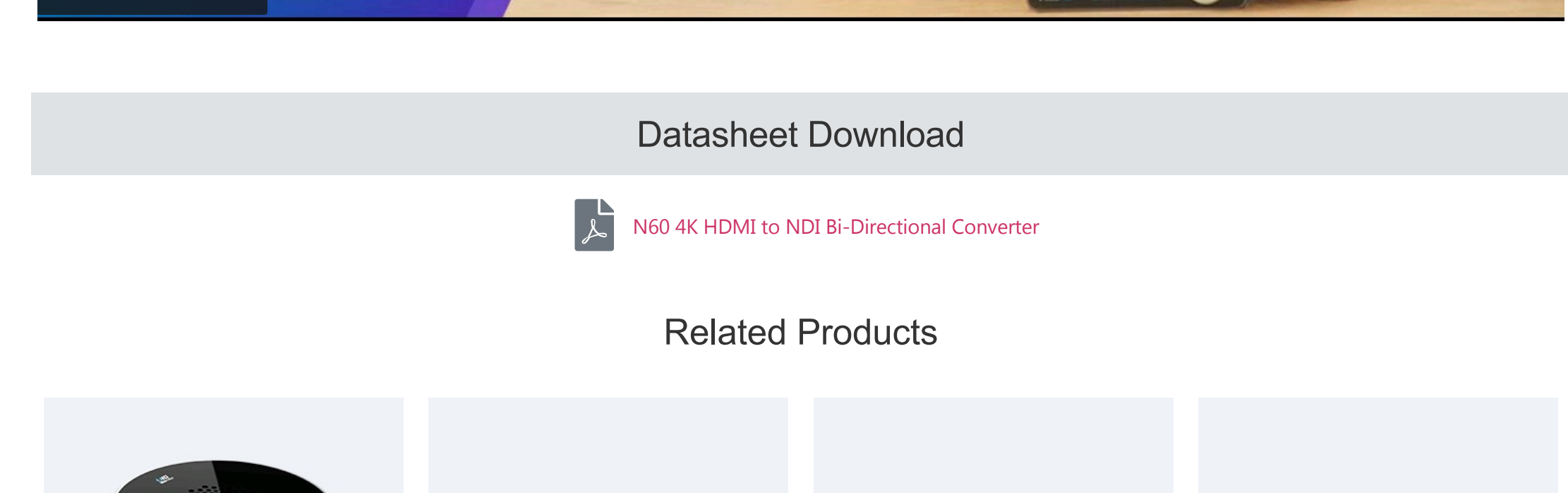
## Full NDI Bandwidth Requirement

Resolution	4KP60	4KP30	1080P60	720P60
Default Bitrate	250Mbps	200Mbps	125Mbps	90Mbps

## Tech Specs

Model	N60
Video input	1*4Kp60 HDMI 2.0
Video output	1*4Kp60 HDMI 2.0 (Loop or decoding output)
Audio port	1*3.5mm Line in 1*3.5mm Line out
Network	2*RJ45 100Mbps Ethernet port Ethernet 1 with PoE (IEEE 802.3AT, 24W Max)
Video resolution	Input: up to 3840x2160 60fps (4Kp60), lowest 720p50 Output (decoding or loop out): up to 3840x2160 60fps (4Kp60), lowest 720p50
NDI HX codec capacity	1x NDI HX FB/HX encoding or 1x NDI HX FB/HX decoding
NDI HX CODEC feature	SpeedHQ (NDI CODEC): SHQ0, SHQ2 ISO MPEG-4 Part 10: Advanced Video Coding (AVC/ITU H.264 ISO MPEG-H Part 2: High-Efficiency Video Coding (HEVC/ITU H.265 AVC (H.264): Baseline, Main, High, High10, High 4:2:2 up to 5.2 level HEVC (H.265): Main, Main Intra, Main10, Main10 Intra, Main 4:2:2 10, Main 4:2:2 10 Intra up to 5.1 High Tier
Audio encoding and decoding	NDI Audio: AAC-LC, Opus, G.711 a-Law/u-Law, other software expansion
USB	1*USB3.0 (type A) 1*USB3.0 (type C)
Human-computer interaction	1.96" LCD screen, KILOVIEW Magic: Rotor
TF storage	Support TF card for recording, capacity up to 2TB
Tally	Built-in OLED panel available as front/rear Tally
Power	DC 12V (5.5/2.5) or PoE
NDI	Support both NDI and NDI HX 2.0 (Note: It will support NDI HX 3.0 in the near future)
Typical Bitrates	SpeedHQ (NDI CODEC): 4Kp60: 250Mbps, 1080p60: 132Mbps, 1080p30/1080i60: 112Mbps, 720p60: 105Mbps 480i60: 62.5Mbps  AVC (H.264): Adjustable from 1Mbps to 120Mbps. >24Mbps (4Kp60); >10Mbps (1080p60).  HEVC (H.265): Adjustable from 1Mbps to 120Mbps. >15Mbps (4Kp60); >6Mbps (1080p60).
Recording	TF card available for local storage to .mov files Support remote recording with KILOVIEW Recorder System, ensuring reliable recording together with Kiloview Smart Recording technology (TF card required).
Voice intercom	Support voice intercom by USB headset between devices directly, or with KILOVIEW intercom server.
PTZ	Support PTZ control through USB to serial RS232/485/422; or PTZ control over IP with different protocols, no extra cable required
Management	Web UI and remote management with KILOVIEW KiloLink Server
Firmware update	Firmware upload by Web UI and remote upgrade with KILOVIEW KiloLink Server
Mounting	Support cold-shoe mounting and V-mounting
Power Consumption	16W Max
Certificates	CE/FCC/ROHS
Dimension	135*98*35mm
Support Download	Docs & Firmware

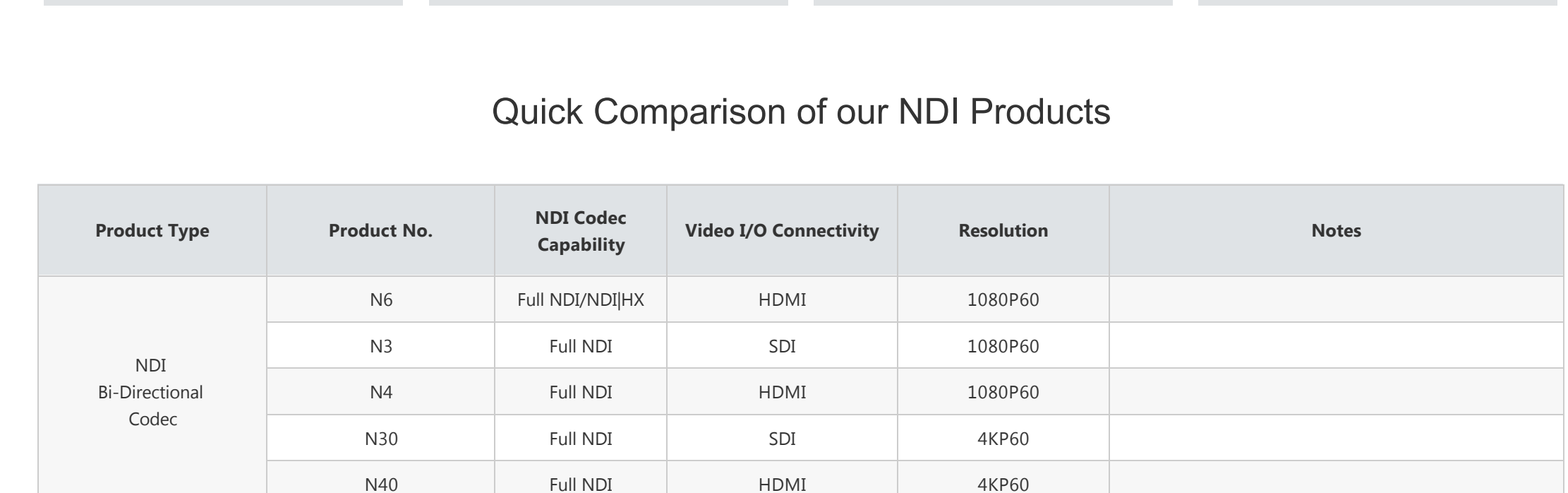
## Video



## Datasheet Download

[N60 4K HDMI to NDI Bi-Directional Converter](#)

## Related Products



## Quick Comparison of our NDI Products

Product Type	Product No.	NDI Codec Capability	Video I/O Connectivity	Resolution	Notes
NDI Bi-Directional Codec	N6	Full NDI/NDI HX	HDMI	1080P60	
	N3	Full NDI	SDI	1080P60	
	N4	Full NDI	HDMI	1080P60	
	N30	Full NDI	SDI	4KP60	
NDI Wireless Encoder	N40	Full NDI	HDMI	4KP60	
	N1	NDI HX	SDI	1080P60	WiFi supported, Battery Build-in
NDI Encoder	N2	NDI HX	HDMI	1080P60	WiFi supported, Battery Build-in
	E3	NDI HX	SDI+HDMI	4KP30 in HDMI 1080P60 in SDI	
NDI Decoder	U40	Full NDI/NDI HX	HDMI	4KP60	
	E1	NDI HX	SDI	1080P60	
	E2	NDI HX	HDMI	1080P60	
NDI Decoder	D350	Full NDI/NDI HX	SDI+HDMI	4KP60	Support of Full NDI will be available with the next firmware version update.
	D260	NDI HX	SDI+HDMI	1080P60	





**N60** FOR NDI

 **30** %  
CPU

 **29** %  
Memory

 **24** °C  
Temp

 **200** Kbps ↑  
**200** Mbps ↓







**KIIOVIEW**

**NEO** NDI

<b>30</b> % CPU	<b>29</b> % Memory
<b>24</b> °C Temp	<b>200</b> Kbps ↑ <b>200</b> Mbps ↓







