

Model	N50
Video input	1*4Kp60 12G-SDI 2.0
Video output	1*4Kp60 12G-SDI 2.0 (Loop or decoding output)
Audio port	1*3.5mm Line in 1*3.5mm Line out
Network	2*RJ45 1000Mbps 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® codec capacity	1x NDI® FB/HX encoding or 1x NDI® FB/HX decoding
NDI® 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)

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Typical Bitrates	<p>SpeedHQ (NDI CODEC): 4Kp60: 250Mbps, 1080p60: 132Mbps, 1080p30/1080i60: 112Mbps, 720p60: 105Mbps 480i60: 62.5Mbps</p> <p>AVC (H.264): Adjustable from 1Mbps to 120Mbps. >24Mbps (4Kp60); >10Mbps(1080p60).</p> <p>HEVC (H.265): Adjustable from 1Mbps to 120Mbps. >15Mbps (4Kp60); >6Mbps(1080p60).</p>
Recording	<p>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).</p>
Voice intercom	<p>Support voice intercom by USB headset between devices directly, or with KILOVIEW Intercom server.</p>
PTZ	<p>Support PTZ control through USB to serial RS232/485/422; or PTZ control over IP with different protocols, no extra cable required</p>
Input with Web Cam via USB	<p>Support video input from Web Cam via USB 3.0 (Note: license required)</p>
Connection with PC via USB	<p>Support connection with PC via USB Type-C, as a video capture device (Note: license required)</p>
Management	<p>Web UI and remote management with KILOVIEW KiloLink Server</p>
Firmware update	<p>Firmware upload by Web UI and remote upgrade with KILOVIEW Kilolink Server</p>
Mounting	<p>Support cold-shoe mounting and V-mounting</p>
Power Consumption	<p>16W Max</p>
Certificates	<p>CE/ FCC/ROHS</p>
Dimension	<p>135.00*123.60*35.00mm</p>