

Specifications

General

LDX 150/135

- **Temperature range:** -20° to +45°C (-4° to 113°F)
(Recommended temperature range when operating in triple-speed HD and UHD: -20° to +40°C (-4° to 104°F))
- **Weight:** approx. 5.9 kg (13.0 lbs.)
- **Dimensions (LxWxH):** 380 x 167 x 253 mm (15.66 x 6.56 x 9.93 in.)
- **Power consumption (typ.):** 100W

LDX C135

- **Temperature range:** -20° to +45°C (-4° to 113°F)
(operating)
- **Weight:** 2.9 kg
- **Dimensions (LxWxH):** 225 x 120 x 140 mm (8.86 x 4.72 x 5.51 in.)
- **Power consumption (typ.):** 15VDC < 100W

Camera

Pick-up device: 3x 2.3" UHD Xenios CMOS imagers with global shutter

Smear: no vertical smear

Shutter: no mechanical shutter

Optical system: F1.4 prism

Lens mount: 2/3" (B4 type) Bayonet lens mount

Optical filter wheels: 2x motorized wheels

Optical filters on first wheel: clear, 1/4 ND, 1/16 ND, 1/64 ND, Cap

Optical filters on second wheel: clear, 4P-star, soft focus

Electronic color correction: 3200°K, 5600°K, 7500°K, FL, 2 AWB presets, variable, continuous auto white

Sensitivity @2000 lux (typical) + S/N ratio: F11 @ 62 dB S/N ratio (in 2160p50)

Aspect ratio: 16:9

Modulation depth: 60% (typical) at 800 TV lines (27 MHz) in 1080i50/59.94 modes

Digital resolution: 16-bit A/D-conversion with 34-bit processing in RGB

Horizontal resolution: >1,000 TV lines (HD), >2,000 TV lines (4K UHD)

Gain selection: -6 dB to +18 dB in 3 dB steps (user-definable presets) or continuous master gain

Standards compliant:

SMPTE ST 2110

AMWA NMOS IS-04, -05, -07 and -09

Connectivity

Microphone input (front): XLR-3 female, balanced, with switchable +48V phantom power (not applicable for the LDX C135)

REF/AES BNC connector: Reference input, output or AES digital audio

BNC A to E connectors: Video BNC baseband connectors, input and output (1.5G, 3G or 12G)

Camera control network (C2IP): RJ-45 Ethernet connector (1 Gb/s)

Ethernet/IP Trunk: RJ-45 Ethernet connector (1 Gb/s)

Lens connector: 12p Hirose connector

Viewfinder connector: 9p Fischer MiniMax connector

Monitoring video: Micro HDMI (type D) connector

Hybrid Fiber connector:

- **LDX 150/135:** SMPTE ST 304 hybrid fiber connector (swiveling)
- **LDX C135:** Neutric opticalCON Duo hybrid fiber connector

Mounting holes:

- **LDX 150/135:** 2x 1/4" – 20 UNC + 3x M4 threaded holes (camera thread)
- **LDX C135:**
On top: 2x 3/8" – 16 UNC, 6x 1/4" – 20 UNC, 10x M4
At bottom: 2x 3/8" – 16 UNC, 4x 1/4" – 20 UNC

Audio inputs (rear): 2x XLR-3 female, balanced, with switchable +48 V phantom power (not applicable for the LDX C135)

Intercom: XLR-5 with Engineering, Production and Program channels (not applicable for the LDX C135)

DC Power input:

- **LDX 150/135/C135:** 12V (12 to 17V), XLR-4 male < 16A
- **LDX C135:** OpticalCON DUO SMPTE power: 20V to 28V DC < 6A

DC Power output: 13V, XLR-4 female < 4A DC (not applicable for the LDX C135)

Accessories

2" LCD viewfinder

7" LCD viewfinder

