PRODUCTS › CONVERTERS

TC-USBC-CAPTURE

HDMI to NDI HX and USB-C Capture

An HDMI source into software — over USB-C, or across the network



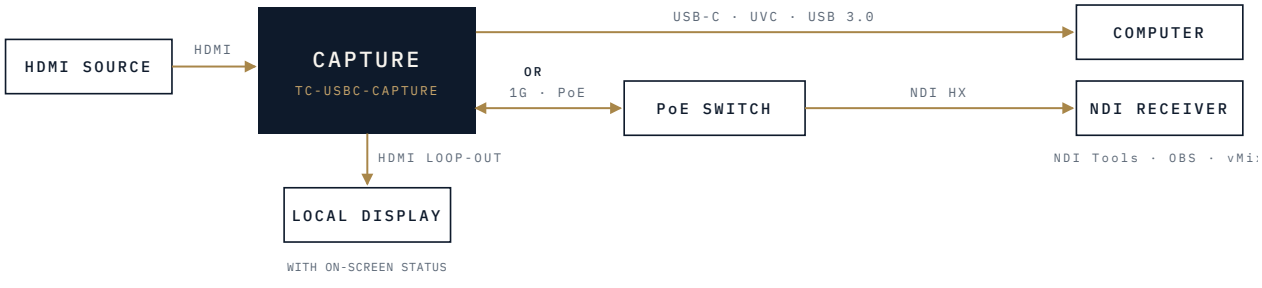
4K30	USB-C	NDI HX	PoE
HDMI 1.4a input · loop-out to the local display	UVC · USB 3.0 (5 Gbps) or USB 2.0	H.264 / H.265 over 1G Ethernet	the only power input · an 802.3af switch or injector

TC-USBC-CAPTURE takes an HDMI 1.4a source at up to 4K @ 30 Hz and delivers it to a computer over USB-C as a standard UVC video device, or to the network as NDI HX — one or the other at a time. It also accepts 720p50, 1080p50, 1080i50 and 2160p25. Over USB 3.0 it streams MJPEG, H.264 or H.265 to 4K30, or NV12 to 1080p30; on the network, NDI HX runs at 4K30, 1080p60 or 720p60 and works with NDI Tools, OBS and vMix.

An HDMI loop-out keeps the picture on the local display and can show the unit's status on screen. The unit is powered by PoE (IEEE 802.3af) alone, from the network switch or an injector, and its USB-C port supplies 5 V at up to 1 A to the connected computer or drive. Audio is PCM 2.0 on all three outputs. HDCP is not supported: protected sources are neither captured nor passed to the loop-out. Settings and firmware are managed from the web UI or the API.

01 KEY CAPABILITIES

- USB-C (UVC) or NDI HX — one output at a time
- Works with NDI Tools, OBS and vMix



SIGNAL PATH · ONE HDMI SOURCE, TO A COMPUTER OVER USB-C OR TO THE NETWORK AS NDI HX

02 VIDEO

Signal standard	HDMI 1.4a in and loop-out
HDCP	Not supported — protected sources are neither captured nor passed to the loop-out
Maximum resolution	Input up to 4K @ 30 Hz, 4:4:4, 8-bit
Resolution notes	Input timings: 640 × 480, 800 × 600, 1024 × 768 and 720 × 576 at 60 Hz · 720p60 · 1080p60 · 3840 × 2160 at 30 Hz · 50 Hz too: 720p50, 1080p50, 1080i50, 2160p25 · in USB 2.0 mode, NV12 at 1080p30 and 720p30 is not available
Compression / codec	NDI HX (H.264 / H.265, 4:2:0 8-bit): 4K30, 1080p60, 720p60 · USB 3.0 (UVC): MJPEG, H.264, H.265 to 4K30; NV12 to 1080p30
CEC	Not supported on the loop-out

03 AUDIO

Other audio formats	PCM 2.0 on HDMI, NDI and USB

04 TRANSPORT & DISTANCE

Network	NDI HX over 1G Ethernet

05 CONNECTIVITY

Inputs	1 × HDMI
Outputs	1 × HDMI loop-out (with on-screen status) · USB-C (UVC) or network (NDI HX), one at a time
USB	USB-C · USB 3.0 (5 Gbps) or USB 2.0 · supplies 5 V / 1 A to the connected host or drive

06 CONTROL

Control methods	Web UI and API (configuration and firmware)

07 ELECTRICAL & PHYSICAL

Power supply	PoE only (IEEE 802.3af)
Power consumption	8 W max (without USB load)
Dimensions (W × D × H)	78 × 108.4 × 20 mm
Housing	Aluminium
Operating temperature	0 to 45 °C
Storage temperature	−20 to 70 °C
Humidity	10–90 %, non-condensing
ESD protection	±8 kV air · ±4 kV contact (human-body model)

08 COMPLIANCE & ASSURANCE

Certification statement	Designed for global compliance — CE, FCC, RoHS, and regional certifications, as applicable.
Warranty	3 years

09 IN THE BOX

In the box	Capture unit · 1.8 m USB 3.0 Type-A to USB-C cable

10 ORDERING

Order code	**TC-USBC-CAPTURE**

PRODUCT PAGE

telecis.com/products/converters/tc-usbc-capture/

VIEWS



USB-C AND NETWORK END

DRAWING



CAPTURE

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signal · engineered.