

XT³ Fiber Extenders Comparison

	HXT ²	HHXT ²	HGXT ²	USXT ²	USGXT ²	HUXT ²
Signal Type	HDMI 1.X & 2.X	HDMI 1.X & 2.X	HDMI 1.X & 2.X	12G-SDI	12G-SDI	HDMI 2.X
Maximum Resolution	4096x2160p	4096x2160p	4096x2160p	3840x2160p	3840x2160p	4096x2160p
Color Sampling	4:4:4	4:4:4	4:4:4	4:2:2	4:2:2	4:4:4
Max. Frame Rate	60Hz	60Hz	60Hz	60Hz	60Hz	60Hz
Max. Color Depth	16bit*	16bit*	16bit*	10bit	10bit	16bit*
Video Bandwidth	18 Gbps	18 Gbps	18 Gbps	12 Gbps	12 Gbps	18 Gbps
Maximum Distance	1000m**	1000m**	1000m**	10km (SM)	10km (SM)	10km (SM)
HDR Support	Dolby Vision, HDR10, HDR12, PQ, HLG	Dolby Vision, HDR10, HDR12, PQ, HLG	Dolby Vision, HDR10, HDR12, PQ, HLG	—	—	HDR10
Content Encryption	HDCP off/1.4/2.2	HDCP off/1.4/2.2	HDCP off/1.4/2.2	—	—	HDCP off/2.2
Dante™	—	—	Supported	—	Supported	—
SMPTE Standard	—	—	—	259M, 292M, 296M, 434M-B, 274M, 425M, ST-2081, ST-2082	259M, 292M, 296M, 434M-B, 274M, 425M, ST-2081, ST-2082	—
Fiber Mode	Multimode	Multimode	Multimode	Singlemode	Singlemode	Singlemode
Fiber Connection	Neutrik opticalCON DUO (LC compatible) OR FiberFox 2CH	Neutrik opticalCON DUO (LC compatible) OR FiberFox 2CH	Neutrik opticalCON DUO (LC compatible) OR FiberFox 2CH	Neutrik opticalCON DUO (LC compatible) OR FiberFox 2CH	Neutrik opticalCON DUO (LC compatible) OR FiberFox 2CH	Neutrik opticalCON DUO (LC compatible) OR FiberFox 2CH
Video Connection	Neutrik HDMI A-Type female	Neutrik HDMI A-Type female	Neutrik HDMI A-Type female	TX: 1x BNC SDI input / 1x BNC SDI Loop out, RX: 2x BNC SDI Outputs	TX: 1x BNC SDI input / 1x BNC SDI Loop out, RX: 2x BNC SDI Outputs	Neutrik HDMI A-Type female
Gigabit Connection	—	—	Neutrik etherCON CAT5E Female	—	Neutrik etherCON CAT5E Female	—
Power Connection	Neutrik powerCON TRUE1 TOP Female / Neutrik USB B-Type Female	Neutrik powerCON TRUE1 TOP Female	Neutrik powerCON TRUE1 TOP Female / Neutrik USB B-Type Female	Neutrik powerCON TRUE1 TOP Female	Neutrik powerCON TRUE1 TOP Female	Neutrik powerCON TRUE1 TOP Female / Neutrik USB B-Type Female
Power Rating	100-240V (powerCON TRUE1 TOP), 5V (USB)	100-240V (powerCON TRUE1 TOP), 5V	100-240V (powerCON TRUE1 TOP), 5V (USB)	100-240V (powerCON TRUE1 TOP), 5V	100-240V (powerCON TRUE1 TOP), 5V	100-240V (powerCON TRUE1 TOP), 5V (USB)
Firmware Update	Neutrik USB B Female (for HDMI only)	—	Neutrik USB B Female (for HDMI only)	—	—	Neutrik USB B Female (for HDMI only)
Weight	1200g (TX + RX)	1275g (TX + RX)	1300g (TX + RX)	1200g (TX + RX)	1275g (TX + RX)	1285g (TX + RX)
Dimensions	200mm (L) x 150mm (W) x 61mm (H)	200mm (L) x 150mm (W) x 61mm (H)	200mm (L) x 150mm (W) x 61mm (H)	200mm (L) x 150mm (W) x 61mm (H)	200mm (L) x 150mm (W) x 61mm (H)	200mm (L) x 150mm (W) x 61mm (H)
Operating Temp.	0°C - 40°C	0°C - 40°C	0°C - 40°C	0°C - 50°C	0°C - 50°C	0°C - 40°C

* Note that 16bit color depth in maximum resolution and frame rate is only supported in 4:2:2 color sampling. Otherwise this would exceed the maximum bandwidth of 18Gbps.

** We recommend OM3 or OM4 multimode fiber to guarantee the maximum transmission distance