



DIREKT LINK 300 & 400. SEND HIGH QUALITY VIDEO OVER INTERNET AND OTHER IP NETWORKS

STANDARD FUNCTIONS

- Multiple outputs
- DVI out for monitoring
- Constant bitrate in pre-configured encoding modes
- Adaptive encoding parameters for automatic handling of the capacity of Internet connection
- Network bonding uses several Internet connections for higher capacity and redundancy
- Scales input signal to encoding resolution of choice
- Easy to configure via display and keypad
- Can be controlled via web interface over network
- Create profiles for multiple destinations
- Peak Programme Meter for calibration of sound level
- Record to files by connecting a USB storage
- Download recorded files from web interface
- ISS for statistics, supervision and troubleshooting
- Backup and upgrade via web interface or ISS
- Send to a number of different types of receivers
- Create your own encoding settings
- Test picture can be encoded and customized
- Management via IP2 (secondary network interface)
- IPMI
- Bifrost Reliable Transport (BRT™)

FUNCTIONS FOR WEB TV

- Send video using RTMP to Adobe Streaming Server and Wowza Media Server
- Supports multiple resolutions and frame rates
- Record files in .flv-format

FUNCTIONS FOR BROADCAST ON 400 SERIES

- Send streams using UDP for shortest possible delay
- Interlaced video and anamorphic resolutions
- COP#3 FEC – Send to compatible receivers

DIFFERENT MODELS

Intinor	300-series (webTV)	400-series (Broadcast)	
Direkt link	Rack	Rack	Rack+
Inputs	2xSDI	2xSDI	2xSDI
Audio channels	8	8	8
Built in mixer	Yes	Yes	-
WebTV	Yes	Yes	Yes
Broadcast	-	Yes	Yes
Redundant power supply	Option	Option	Yes
BRT™	Yes	Yes	Yes
RTP+FEC	-	Yes	Yes
HDMI out for monitoring	Yes	Yes	-

DIFFERENT FORMATS

RACK

Direkt link are usually delivered in a format which can be installed in a 19" rack with all connections on the rear side. Power supply is built in and 100 – 240V AC is fed using an ordinary power cord.

RACK+

Direkt link 400 Rack + is delivered in a 19" 2U-rack. High CPU for higher performance, redundant power supply, supports high broadcast quality up to 1080p50/60. Supports performance level 6 for eSport.



OPTIONS

Direkt link is primarily customized using options. Other customer tailored solutions are made on order

4K/VR360

For VR360 applications we can offer optional 4K video input (SDI & HDMI). We also provide a cropping feature for removing upper and lower part of picture.

4-WIRE TALKBACK

By using 4-wire talkback, Direkt link can connect to other Direkt units for audio communication with short delay. The option gives two full duplex mono channel, for example control room and studio return.

CASE

All Direkt links can be delivered in custom cases.

EXTRA ENCODER

Direkt link can encode the input signal to one or multiple other encoding modes. For example if one want to record in higher quality or send in multiple qualities.

INTERNAL HARD DISK

Direkt link which is often used for recording video can be equipped with internal hard disk or a RAID system with multiple disks. Only on Rack+ or with 2u rack option

AUTOMATIC FILE SYNC USING FTP

When a new file is ready on the Direkt link or router and live streaming has stopped, it automatically uploads the file.

FTP AUTO UPLOAD

Automatically uploads the recorded file/s on preset FTP server after completed live broadcast.

SRT – SECURE RELIABLE TRANSPORT

SRT is an open source video transport protocol.

2U RACK

2RU 19"rack, disk-bays and redundant power supply.

H.265

HEVC/H.265 video (ISO/IEC 23008-2)

TECHNICAL SPEC.

Digital in SDI embedded	SMPTE 259M, SMPTE 272M PAL, NTSC 0-8 audio channels
Digital in HDSDI embedded	SMPTE 292M, SMPTE 299M 720p/50, 720p/59,94, 720p/60, 1080p/23,98, 1080p/24, 1080p/50, 1080p/60, 1080i/25, 1080i/29.97, 1080i/30 0-8 audio channels
Digital video out H.264	H.264/MPEG4 AVC video (ISO/IEC 14496-10) BP@L3.0 - HiP@L5.1 (4:2:0 & 4:2:2)
Digital video out H.265	HEVC/H.265 video (ISO/IEC 23008-2)
Digital audio out	MPEG1 audio layer 2 (ISO/IEC 11172-3) AAC (ISO/IEC 14496-3:2005) MAIN
Transport out TCP	MPEG2-TS over IP (ISO/IEC 13818-1) adaptive bitrate
Transport out RTMP	RTMP + RTMPS
Transport out Network bonding	BRT™ - Bifrost Reliable Transport Proprietary, adaptive bitrate and resolution
Transport out UDP (only on broadcast models)	MPEG2-TS overIP (ISO/IEC 13818-1) UDP and RTP (RFC 3550, RFC 2250)
Error corrections UDP (only on broadcast models)	FEC: Pro-MPEG COP #3, SMPTE ST 2022-1:2007
Interface out	2 Ethernet 10/100/1000, RJ45 Extra RJ45 via external USB-LAN
3G/4G	External USB modem
Hard disk for archiving	Extern USB2.0 / USB3.0
Size rack (without removable rack brackets)	425 x 380 x 45 (w x d x h) Fits in 19" 1U-rack
Size rack+ / 2ru option	440 x 450 x 90" (w x d x h) Fits in 19" 2U-rack
Weight approximately	5200g (rack) 13300 (rack+)
Power consumption	Max 100W (rack)