



DIREKT RECEIVER. RECEIVE MPEG-STREAMS VIA INTERNET AND OTHER IP NETS AND TRANSFORM THEM TO VIDEO AND AUDIO

IMPORTANT CHARACTERISTICS

Except decoding video and audio, Direkt receiver in a IP link system gives foremost the following advantages

SUPERVISION AND ALARMS

IP streams, which enters a Direkt receiver, can be supervised and troubleshooted via ISS - Intinors system for statistics and Supervision.

ERROR CORRECTION

Direkt receiver can receive IP streams with error correction (BRT™, FEC or TCP with buffering)

ADAPTIVE BITRATE

Direkt receiver automatically handles variable bitrate on incoming IP-streams.

NETWORK DE-BONDING

Direkt receivers receive and assemble video transmitted over multiple IP-streams

ACCESS CONTROL

On Direkt receiver one can control access to input streams on each respective input.

SDI OUTPUT

A standard Direkt receiver has two SDI outputs.
One is enabled by default

FORMAT

Direkt receiver is delivered in a format which can be installed in a 19" rack with all connectors on the rear side. Power supply is built in and 100-240v AC is fed using a ordinary power cord

STANDARD FUNCTIONS

The following functions are present on Direkt receiver

- Easy to configure via display and keypad
- Can be controlled via web interface over network
- Peak Programme Meter (PPM) for calibration of sound level
- ISS – Intinors system for statistics, supervision and troubleshooting
- Backup settings and upgrade software via web interface or ISS
- Can receive video streams from a number of different units
- Black burst sync in
- Automatically detects whether streams are MPEG2 or H.264
- Select output format via web interface – PAL, NTSC or HD
- Automatically scales input streams into selected output format
- Test picture can be customized
- Management via IP2 (secondary network interface)
- BRT™ (Bifrost Reliable Transport)

MADE IN SWEDEN!

OPTIONS

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

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.

MULTIPLE SDI OUTPUTS

The Direkt receiver can be equipped with 1, 2, 4, 6, 8x SDI-outputs

CASE

All Direkt links can be delivered in custom cases.

SRT – SECURE RELIABLE TRANSPORT

SRT is an open source video transport protocol.

2U RACK

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

TECHNICAL SPEC.

TRANSPORT	MPEG2-TS over IP (ISO/IEC 13818-1)- UDP and TCP RTP (RFC 3550,2250) FEC (Pro-MPEG COP#3, SMPTE ST 2022-2:2007) BRT™ (Bifrost reliable transport)
Digital out SDI embedded	Digital out SDI embedded SMPTE 259M, SMPTE 272M
Digital out HDSI embedded	SMPTE 292M, SMPTE 299M 3G - SMTPE 424M, SMTPE 425-1
Resolutions out	PAL, NTSC, 720p/50, 720p/59.94, 720p/60, 1080p/23.98, 1080p/24, 1080i/25, 1080i/29.97, 1080i/30, 1080p50 A/B, 1080p59.94 A/B, 1080p60 A/B
Digital video in MPEG2	MPEG2 video (ISO/IEC 13818-2) MP@ML, MP@HL, HP@ML, HP@HL (4:2:0) 422@ML, 422@HL (4:2:2)
Digital video in H.264	H.264/MPEG4 AVC video (ISO/IEC 14496-10)
Digital video in H.265	HEVC/H.265 video (ISO/IEC 23008-2)
Interface in	Interface in Ethernet 10/100/1000, RJ45
Interface management	Ethernet 10/100/1000, RJ45
Size 1U (without removable rack brackets)	425 x 380 x 45 (b x d x h), Fits in 19" rack(1U)
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+)

