DIREKT RECEIVER

Intinor Direkt receivers receives 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 an 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 (FEC or TCP with buffering).

Adaptive bitrate

Direkt receiver automatically handles variable bitrate on incoming IP streams.

Network de-bonding

Direct 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.

Multiple SDI outputs

Direkt receivers can be delivered with one, two, four or eight SDI outputs.

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 an 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)
- IPMI

OPTIONS

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

4-wire talkback

By using 4-wire talkback, Direkt receiver 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 video inputs

One, two, four or eight SDI outputs gives Direkt receiver the possibility to play out several different incoming IP streams on SDI.

Encryption

The video stream between Direkt link 400 series and Intinors Direkt receiver can be encrypted and authenticated in a very secure way if needed.

Redundant power supply

Direkt receiver can be customized with redundant power supply for highest possible availability.

TECHNICAL SPECIFICATIONS

Digital out SDI embedded	SMPTE 259M, SMPTE 272M
Digital out HDSDI embedded	SMPTE 292M, SMPTE 299M
Resolutions out	PAL, NTSC, 720p/50, 720p/59,94, 720p/60, 1080p/23,98, 1080p/24, 1080i/25, 1080i/29,97, 1080i/30
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 audio in	MPEG2-TS over IP (ISO/IEC 13818-1) - UDP och TCP RTP (RFC 3550,2250) FEC (Pro-MPEG COP#3, SMPTE ST 2022-2:2007
Interface out	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)
Weight approximately	5200g

Available connections and layout varies depending on chosen configuration