

IKUSNET3 HR Compacto bidirectional video codec

Reliable equipment for internet communications, with independent audio channel

PRODUCT INFORMATION

Good things come in small packages like Ikusnet3 HR, the new video codec from Prodys.

Ikusnet3 HR is a compact, bidirectional, reliable equipment for Internet communications, with independent Talkback audio channel and at an unbeatable price.

It supports H264 and H265 encodings and different streaming protocols (SRT, RTMP/RTMPS, MPEG TS), including Prodys' BRAVE protocol which allows for higher bandwidth and reliability of communications by aggregating multiple IP links.



APPLICATIONS

This equipment has been designed to adapt to multiple usage scenarios where it is necessary to send high quality, low delay video over the Internet, with values of less than 1 second.

Ikusnet3 HR can connect an external 5G/LTE communications module with up to 8 modems, which together with its reduced dimensions (half a rack unit), and the possibility of establishing bidirectional connections, makes it the ideal equipment for installation in mobile units or in installations where available space is limited.

Ikusnet3 HR is fully compatible with the Quantum2 family of portable audio equipment.

This equipment has a Streaming Forwarding function that allows, at the same time as decoding, the stream received to be forwarded in a different protocol compatible with a cloud server.

Ikusnet3 HR is remotely manageable via HTML5 web or the ProdysControlPlus application, which allows the simultaneous management of many devices, regardless of their location.



SPECIFICATIONS

Specifications and designs are subject to change without notice.

VIDEO FEATURES

- VIDEO INPUTS**
- 1 SDI input according to SMPTE 292M (HD-SDI) and 424M (3G-SDI).
 - 1 HDMI input
 - Automatic input detection
 - Formats:

Format	Resolution	Frames/sec
720p	1280x720	50; 59,94; 60
1080i	1920x1080	25; 29,97; 30
1080p	1920x1080	50; 59,94; 60
PAL		
NTSC		

1080i, PAL and NTSC only available in H265

- VIDEO OUTPUTS**
- 1 SDI output & 1 HDMI output, both simultaneous.

- STREAMING PROTOCOLS**
- SRT, BRAVE, RTMP/RTMPS or MPEG-TS.
 - Streaming Forwarding Functionality.

- COMPRESSION ALGORITHMS**
- AVC (H.264) and HEVC (H.265) encoding and/or decoding.
 - Simultaneous Encoding and Decoding in BRAVE and in SRT.

AUDIO FEATURES

- AUDIO INPUTS**
- Up to 4 embedded mono audio channels.
 - Talkback option:
 - 1 analog stereo and 1 digital stereo input.
 - SubD connectors compatible with all Prodys equipment.

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COMMUNICATION FEATURES

- IP PROTOCOL**
- Full TCP/UDP/IP connectivity
 - Unicast and Multicast audio over IP transmission/reception.
 - FEC (Forward Error Correction) y Active Packet Recovery with BRAVE protocol.
 - Bonding or Diversity streaming technology with BRAVE protocol. Up to 10 IP links.

- ETHERNET**
- 2 Ethernet ports for streaming. Either can be selected as control, streaming or control+streaming.
 - Ethernet ports Base Tx 10/100/1000 (RJ45)

- 4G/5G (Optional)**
- Possibility to connect an external device with 5G/LTE modems.
 - Up to 8 modems.
 - Global connectivity modem available.

OPERATIONAL FEATURES

- CONTROL**
- Local control via 5" touchpanel (optional) and web browser HTML5
 - Remote with ProdisControlPlus management SW.
 - Configurable user access control
 - Powerful and flexible Presets, Profiles and Alarms
 - 1 general purpose USB

- POWER**
- AC/DC External power supply

- DIMENSIONS AND WEIGHT**
- L x W x H: 173 x 40,5 x 212 mm
 - Weight: 1 Kg

