

The 1U Rackmount HEVC video codec for studio and OB Vans

Ikusnet2 ST is a rackmount HEVC(H.265) / AVC/(H.264) video codec that can simultaneously transmit and receive an IP video stream from any Ikusnet family video codec. It supports a separate bidirectional audio stream as a IFB/Talkback audio channel to send and receive voice communications between field operators and MCR/Studio.

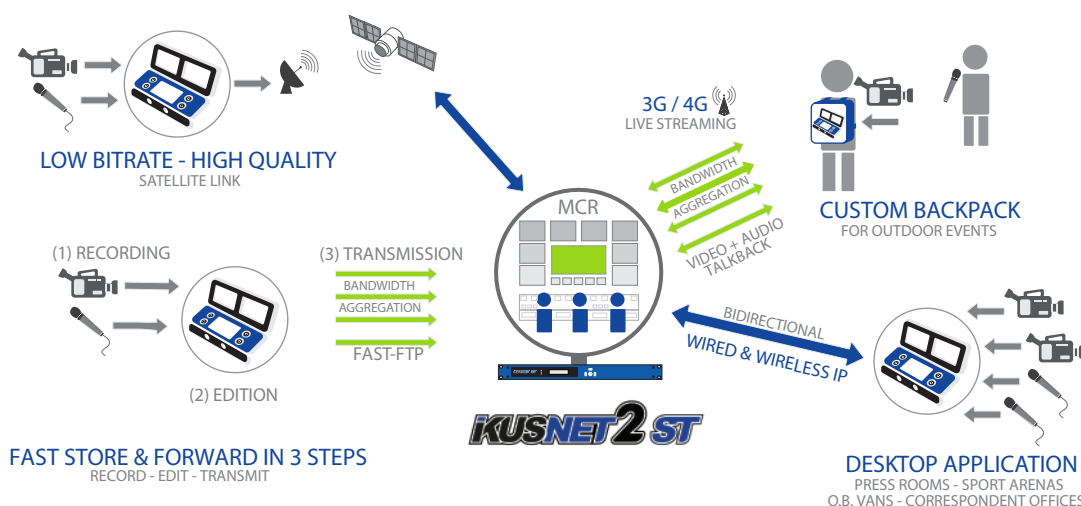
Ikusnet2 ST also allows the connection of an external module with 8 LTE modems for video transmission with bonding, which makes it an interesting option for O.B. vehicles.

Ikusnet2 ST supports file recording on internal or external storage device. Files can be shared in the network or transferred to an FTP server. When sending files to Ikusnet2 ST, the sender can take advantage of bandwidth aggregation using all of the available IP links on the unit to make file transfer much faster and reliable.



Ikusnet2 ST can be operated either from a detachable touch panel or built-in web interface.

Comprehensive user-definable presets allow the unit to be setup in advance, so that non-technical users can accomplish live broadcasts quickly and easily.



Ikusnet2 ST Technical Features

GENERAL FEATURES

- ✓ 2 Fast Ethernet interfaces to split data and control or for bandwidth aggregation
- ✓ Assembly of demultiplexed Video streams
- ✓ Auxiliary storage via USB or Internal hard disk with Windows compatible file sharing
- ✓ FEC and Active Packet Recovery to recover lost packets
- ✓ Error concealment to reduce the impact of packet losses
- ✓ Bitrate Adaptive Video Encoding (BRAVE) for audio and video compression
- ✓ Automatic jitter buffer
- ✓ Bidirectional IFB/Talkback audio channel
- ✓ Real time Network Monitoring Tools and statistics
- ✓ Possibility of connecting an external module with 8 LTE modems

VIDEO FEATURES

- ✓ SDI Video inputs according SMPTE 292M and 424M (3G-SDI)
- ✓ Broadcast quality BNC connectors
- ✓ Video Genlock input
- ✓ HEVC(H.265)/AVC(H.264) SD and HD compression
- ✓ Multiple protocols: MPEG-TS, RTMP, BRAVE
- ✓ Re-streaming in MPEG-TS & RTMP format to third party decoders
- ✓ 1080i to 720p and 576/480i to 576/480p de-interlacer
- ✓ Factory and custom encoding presets for fast operation
- ✓ File recording, playing and FTP reception and re-transmission

AUDIO FEATURES

- ✓ Audio inputs to mix with SDI embedded audio or with IFB/Talkback
- ✓ Inherits AAC highest quality audio compression from Prodys Audio Codecs
- ✓ Analog and Digital audio interfaces
- ✓ De-embedding of SDI audio to digital audio output
- ✓ Up to 4xSDI embedded audio channels



IKUSNET2 ST

DECODER

The perfect match of Ikusnet2 BP portable encoder

Ikusnet2 ST Decoder is a low-cost device that has been designed to receive and decode HEVC (H.265) / AVC (H.264) video streams from Ikusnet2 BP or ST codecs.

Like Ikusnet2 ST, it supports a separate bidirectional audio stream as a IFB/Talkback audio channel to send and receive voice communications between field operators and MCR/Studio.

Ikusnet2 ST Decoder can receive and store video files from other Ikusnet2 units, and resend them automatically to any FTP server.

Ikusnet2 ST Decoder can be operated either from a detachable touch panel or built-in web interface.



IKUSNET2 QUAD

1U rackmount unit with 4 independent HEVC/AVC video decoders

Ikusnet2 Quad is a rackmount unit that can receive and decode 4 simultaneous video streams coming from different Ikusnet2 encoders.

Like the other members of the family, it also supports the bidirectional IFB/Talkback audio channel and the reception and storage of video files.

This model has also a GenLock input to synchronize the 4 video decoders externally.



**News contribution Video Codecs
Wireless and wired IP**