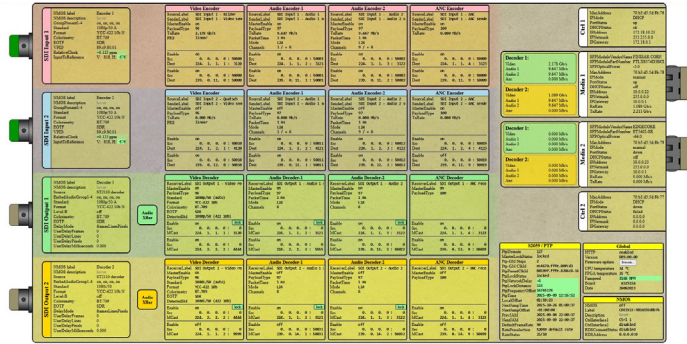


Quick Start Guide: Web User Interface

- 1 Connect the CDE to a PC or local network using Ethernet**
If no DHCP server is available (typical in direct connection) the device and PC assign themselves an IP in the 169.254.x.x range using Automatic Private IP Addressing (APIPA).
- 2 Find out which IP address has been assigned**
 - Standalone: connect it via USB and open YelloGUI or Lynx Centraal.
 - Rack Mounted: connect it to the Rack Controller via USB and look it up in Lynx Centraal under the “yellow” device list.The IP address and network parameters will appear on the network panel.

- 3 Access the Web User Interface**
Follow the hyperlink from LynxCentraal or yelloGUI or copy the CDE 1922 IP address into your web browser.



Ordering Information

Model	Mode	Type	TX Wavelength	SFP Included
CDE 1923	Single	CWDM	1270 - 1610nm	No
CDE 1923 MM	Multi	SR	850nm	Yes
CDE 1923 SM	Single	Standard	1310nm	Yes
CDE 1923 RJ45	Ethernet	RJ45	N/A	Yes

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CDE 1923

Technical Specifications

Video Formats	2K	2048x1080p	23.98, 24, 25, 29.97, 30, 47.95, 48, 50, 59.94, 60
	HD	1920x1080p	23.98, 24, 25, 29.97, 30, 50, 59.94, 60
	HD	1920x1080PsF	23.98, 24, 25, 29.97, 30
	HD	1920x1080i	50, 59.94, 60
	HD	1280x720p	23.98, 24, 25, 29.97, 30, 50, 59.94, 60
Color Precision	YCbCr 4:2:2 10-bit		
SDI I/O	2x 3G-SDI inputs on BNC connector		
	2x 3G-SDI outputs on BNC connector		
	Electrical Return Loss	to 1.5GHz >15dB	to 3GHz >10dB
	Automatic cable EQ	1.5GbE 200m*	3GbE 150m*
Belden 1694A			
Reference I/O	1x Bi/Tri-level Reference input with 1x loop output on BNC		
	1x Tri-Level Reference output (PTP to Tri-Level) on BNC connector		
IP I/O	2x 10GbE Media LAN SFP cages (also usable for in-band control)		
	2x 1GbE RJ45 Control LAN ports		
Power	SMPTe ST 2110-20: Uncompressed Active Video		
	SMPTe ST 2022-7: Seamless Protection Switching		
	SMPTe ST 2110-30: 1-8 Channel PCM Digital Audio		
	SMPTe ST 2110-31: Raw AES Audio		
	SMPTe ST 2110-40: Ancillary Data acc. SMPTe ST 29-1		
	SMPTe ST 2110-10: RTP System Timing		
Ambient	SMPTe ST 2059: Precision Timing		
Power	+12V DC @ 16W nominal (incl. 2xSFP) - (7-24V DC input range)		
Includes	Module, AC power supply		



WARNING
CLASS 1M LASER PRODUCT
LASER RADIATION

Do not view directly with
optical instruments

Visit our website for the latest product updates: www.lynx-technik.com

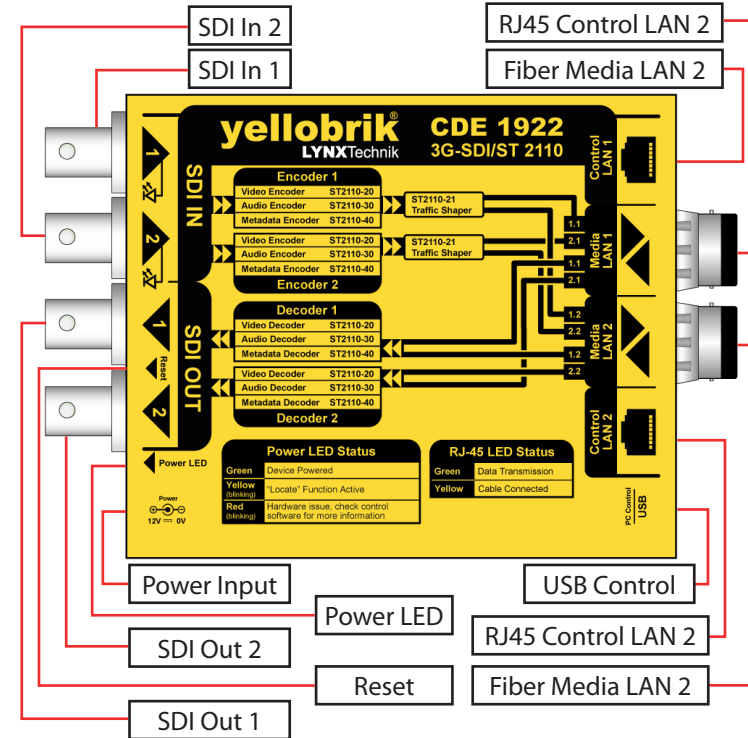
LYNXTechnik | Broadcast Television Equipment

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Quick Reference

CDE 1922

3G-SDI / ST 2110 Bi-Directional Converter



Connections

All connections are clearly labeled on the module.

SDI inputs and outputs use standard 75 Ohm BNC connectors.

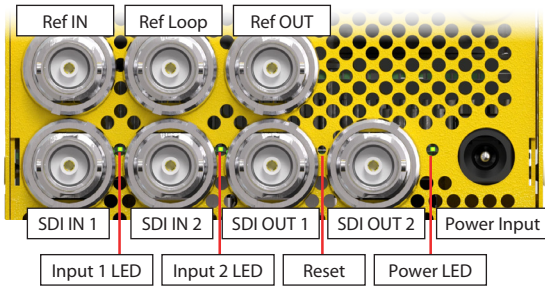
Ref In, Loop and Ref Out use standard 75 Ohm BNC connectors.

LAN controls are done via 1GbE RJ45 port.

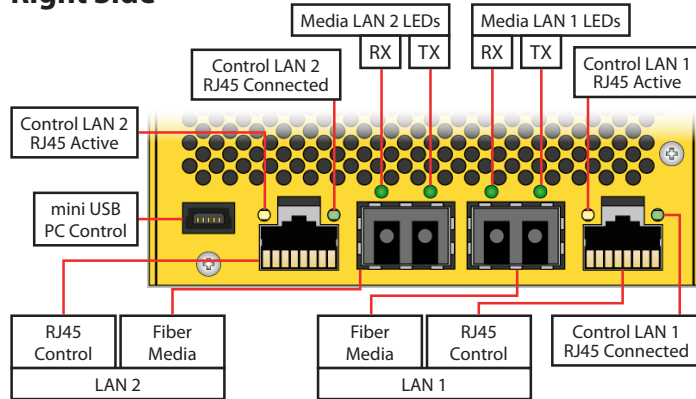
Media LAN via 10GbE Transceiver fiber connections

A mini USB port is available for updates, control, and configuration via LynxCentraal or yelloGUI.

Left Side



Right Side



Operation

The CDE 1923 is designed for seamless integration into hybrid SDI and IP workflows, offering automatic signal detection and routing upon power-up.

While the default factory configuration covers most standard applications, advanced settings for video, audio and PTP can be accessed using NMOS or through LynxCentraal / yelloGUI.

SDI outputs can be synchronized to a local reference signal or to the PTP clock. The Reference output can provide the PTP as Tri-Level or a converted Ref input.

Module LEDs

Power LED

- Green Power OK - no internal programmed settings are present (factory preset)
- Yellow Power OK - some programmed settings are active*
- Yellow (blinking) "Locate Module" function active
- Red (blinking) Hardware Issues
- Off Power not present

*Internal settings have been made using LynxCentraal or the Web GUI

SDI Input

- Green Valid Signal
- alternating Green/Red **Only on SDI-Input:** Input recognized, but format not compatible
- Off No Valid Signal Detected

Mounting Solutions

The optional RFR 1001 mounting bracket can be used to permanently mount the module on any surface or on 19" rack rails.



The RFR 1200 rack frame can be used to mount up to four CDE 1923 yellobriks and provide power and power redundancy to all installed modules.



Support

If you encounter issues or have questions visit our knowledge base for FAQ on your product.

Can't find the answer to your problem? Contact our support team for individual support



support.lynx-technik.com

Firmware Updates / Control Software

To update a yellobrik, connect it to the latest version of Lynx Centraal or YelloGUI. The application will check for firmware updates. In Lynx Centraal, navigate to the "Update" tab then select the devices to update and click on "Start Update".



Firmware updates are always free of charge.

[www.lynx-technik.com/
software-applications/](https://www.lynx-technik.com/software-applications/)