

BI-DIRECTIONAL MULTI-SPEED SMPTE/EBU TIME CODE DIGITAL DISPLAYS

ESE's Bi-Directional Multi-Speed SMPTE/EBU Time Code Readers include the **ES-456U** and **ES-956U**. Both have eight-digit, yellow LED displays and read drop frame or non-drop frame time code. Each unit features "on-time" frame count, a "Hold" control and automatic error correction. Rear mounted controls select whether SMPTE/EBU Time Data or User Bit Data are to be displayed.

The units described below are designed to decode and display SMPTE or EBU Time Code. The time code may originate from any **ESE** Master Clock, an **ESE** Converter or any other source of SMPTE/EBU Time Code.

Other size displays and different enclosures are available if "play-speed" only is required (see pages 8 & 9).

Features:

- Perfect Synchronization with Master Or "Source" Of Time Code
- Simple Installation & "Hands-Off" Operation
- Reads From 30x To 1/30th Speed
- Error Detection & Correction
- Optional Rack Mount Enclosure
- Drop Frame Or Non-Drop Frame Operation
- Reads Forward Or Reverse
- Drop Frame Indicator
- Displays "User Bits" Or "Time" Data
- EBU Operation



MULTI-SPEED BI-DIRECTIONAL SMPTE/EBU TIME CODE READER

The **ES-456U** is a Multi-Speed Bi-Directional SMPTE/EBU Time Code Reader. Hours, minutes, seconds and frames are displayed on the eight .56" LEDs. The **ES-456U** tracks time code at speeds from 30x play speed to 1/30th play speed in forward or reverse. Time or User Bits are selected via a rear mounted toggle switch.



MULTI-SPEED BI-DIRECTIONAL READER with 2.3" LED DISPLAYS

The **ES-956U** is a SMPTE/EBU Time Code Reader with 2.3" high yellow LED displays. The unit reads at speeds from 30x play speed to 1/30th play speed in forward or reverse. The eight digit display features on-time frame count, error detection and correction, a drop frame indicator, a time code error indicator and a "Hold" input. User Bits may be selected. The unit is housed in a wall mount enclosure.

SPECIFICATIONS

	ES-456U
Power:	10 Watts
Electrical:	117 VAC, 50/60 Hz
Input:	SMPTE Time Code
Display:	8-Digit, Yellow .56" LED
Viewing Distance:	20 Feet
Enclosure:	Desk Top
Mechanical:	2.8" H x 10" W x 6" D
Options:	B, Black, J, P, RS, UL

	ES-956U
Power:	10 Watts
Electrical:	117 VAC, 50/60 Hz
Input:	SMPTE Time Code
Display:	8-Digit, Yellow 2.3" LED
Viewing Distance:	70 Feet
Enclosure:	Wall Mount
Mechanical:	5" H x 19" W x 3.5" D
Options:	Blue, Green, J, Red, UL

