# FMX-ER-3G-SDI-15R | Fiber Optic 3G-SDI Receiver




## Key features

- High-speed 3G-SDI fiber optic receiver
- Supports HD video resolutions up to 1080P@60Hz.
- Compliant with SMPTE 425M, 424M, 292M, 259M-C standards.
- Supports RGB444, YUV444, YUV422 color spaces.
- Compatible with x.v.Color color gamut expansion standard.

## Product Overview

The FMX-ER-3G-SDI-15R Fiber Optic 3G-SDI Receiver is a high-performance solution designed for long-distance, uncompressed digital video transmission over optical fiber. Received 3G-SDI signals, this receiver ensures professional-grade video quality for broadcast, live events, and AV installations.

Supporting industry-standard SMPTE 425M, 424M, 292M, and 259M-C, the FMX-ER-3G-SDI-15R guarantees seamless compatibility with all major 3G-SDI, HD-SDI, and SD-SDI devices. Its wide-ranging support for 1080P@60Hz resolution, combined with RGB444, YUV444, and YUV422 color spaces, ensures rich, accurate color reproduction for professional workflows. Additionally, the inclusion of the x.v.Color color gamut expansion standard enhances color depth and vibrancy, making it ideal for applications requiring precise color fidelity.

Engineered for mission-critical AV applications, the FMX-ER-3G-SDI-15R is compact, reliable, and easy to integrate into fiber-based AV networks. Its ability to handle long-distance transmissions without signal degradation sets it apart as a premium choice for broadcasters, live event producers, and professional AV integrators.

## Technical Specification

| Feature | Details |
|---|---|
| Supported Standards | SMPTE 425M, SMPTE 424M, SMPTE 292M, SMPTE 259M-C |
| Supported Resolutions | 1080P@60Hz |
| Color Space Support | RGB444, YUV444, YUV422 |
| Color Gamut Standard | x.v.Color |
| Signal Type | Serial Digital 3G-SDI |
| Application | Professional AV, Broadcast, Live Event Integration |
| Form Factor | Compact Fiber Optic Receiver |
| Input Interface | 1 x Fiber Optic |
| Output Interface | 2 x 3G-SDI |
| Certifications | CE, RoHS compliance |



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