



DreamCatcher[™] **DC-200ES Series** IP-Based High Bit Rate Content Recorder

The **DreamCatcher™ 200ES Series** is a scalable IP-based high bit rate content recorder that enhances any **DreamCatcher™** cluster by adding ingest, storage and compute capabilities. The rugged 3RU chassis supports IP capture of up to 12x 3G/HD and 3x 4K/UHD with support for SMPTE ST 2110 and ASPEN.

The **DC-200ES Series** is available in storage options from 1-12TB supporting 30-240 hours of content at 100Mb/s respectively. Each system has an additional 1TB of near line secondary storage for archiving content.

The **DC-200ES Series** is designed to seamlessly integrate into an IP facility built around Evertz' revolutionary 10GbE SDVN technology. The **DC-200ES'** IP-based design allows for hundreds of nodes to be clustered together for an unprecedented level of scalability.

The **DC-200ES Series'** native J2K/AVC-I record allows for a 10-bit encoding standard that natively supports the latest camera technology including 8K, 4K/UHD, HDR and high-frame-rate inputs without the need for additional licenses.

FEATURES & BENEFITS

- Advanced 10GbE IP-based architecture
- Capture up to 12x 3G/HD over IP
- Capture up to 3x 4K/UHD over IP
- Support for HD, 3G and 4K/UHD
- Support for high-frame-rate cameras in HD, 3G and UHD
- Support for 3G HDR and UHD HDR
- Integrated transcoding engine
- Storage configurations: 1TB to 12TB
- Continuous loop recording with automatic clip protection
- 3x redundant power supplies
- Integrated search engine across a federated database

DC-200ES Series

IP-Based High Bit Rate Content Recorder

SPECIFICATIONS

Inputs

Methods:	10GbE (SMPTE ST 2110, ASPEN)
Standards:	
HD:	720p59.94Hz, 720p50Hz, 1080i59.94Hz, 1080i50Hz
3G:	1080p59.94Hz, 1080p50Hz
4K/UHD:	4x 1080p59.94Hz
Quantity:	Up to 12x HD, up to 12x 3G, up to 3x 4K/UHD
Audio:	Up to 16x channels of embedded audio per input
Timing:	PTP/PCR
Special Camera Support:	All high-frame-rate, HDR and 4K/UHD cameras are supported

Ethernet

	2x 1GbE, 4x 10GbE
Connector Type:	DreamCatcher™ SFPs, RJ-45

Control

User Interface:	VUE configurable UI
Controller:	DC-RCP-10

Ports

4x USB 3.0, 2x USB 2.0

Power Consumption

950W max. rated,
800W nominal
EMI/RFI: Complies with FCC part 15
Class A, EU EMC directive
CISPR 22 Class A digital
device or peripheral
IEC 60950-1:2005+A1+A2

Electrical

Voltage:	AC 100-240V, 47-63Hz
Current:	8-4A
Redundancy:	Triple redundant power supplies

Storage Capacity

800GB:	~15 hours at 100Mb/s
1.6TB:	~30 hours at 100Mb/s
3.2TB:	~60 hours at 100Mb/s
6.4TB:	~120 hours at 100Mb/s
Recording Method:	Continuous loop record
Secondary Capacity:	
1TB:	~24 hours at 100Mb/s

ORDERING INFORMATION

DC-210ES-G2	800GB ~15 hours @ 100Mb/s, 12x HD/3G inputs, 3x 4K/UHD inputs, high bit rate I-Frame recorder
DC-220ES-G2	1.6TB ~30 hours @ 100Mb/s, 12x HD/3G inputs, 3x 4K/UHD inputs, high bit rate I-Frame recorder
DC-230ES-G2	3.2TB ~60 hours @ 100Mb/s, 12x HD/3G inputs, 3x 4K/UHD inputs, high bit rate I-Frame recorder
DC-260ES-G2	6.4TB ~120 hours @ 100Mb/s, 12x HD/3G inputs, 3x 4K/UHD inputs, high bit rate I-Frame recorder
DC-IO	DreamCatcher™ input card supporting baseband, SMPTE ST 2110 and ASPEN
+1TBG2	Additional 800GB, ~15 hours @ 100Mb/s for the DC-210ES-G2
+2TBG2	Additional 1.6TB, ~30 hours @ 100Mb/s for the DC-220ES-G2
+3TBG2	Additional 3.2TB, ~60 hours @ 100Mb/s for the DC-230ES-G2
+6TBG2	Additional 6.4TB, ~120 hours @ 100Mb/s for the DC-260ES-G2