

# DUX-217 4K / HD / SD Audio multiplexer

- 12G-SDI support
- AES/EBU 16 channels input with SRC
- Audio channel mapping function
- DOWNMIX function
- Audio gain adjustable
- Audio delay adjustable
- Test audio signal generation



<FRX-23F chassis front image>



<DUX-217 rear image>

## ■ FEATURES

- 12G / 3G / HD / SD-SDI support
- AES/EBU 16 channels input
- AES/EBU inputs with Sample Rate Converter
- 16 channels Embedded audio (32 channels with Level-B)
- Audio channel mapping function
  - Select from,
    - Embedded 1 to 32 channels, AES/EBU 1 to 16 channels, DOWNMIX, Test audio signal
- DOWNMIX supports Lo / Ro, Lt / Rt, MONO
- DOWNMIX channel and gain adjustable
- Audio gain adjustable
- Audio delay adjustable with each channel
- Audio group packet 1 to 8 Enable / Disable setting
- Test audio signal generation 400Hz / 1kHz, -18dBFS / -20dBFS
- Audio mounted Link selectable with 12G-SDI output
- ATC-LTC / ATC-VITC support
- External reference 525BB / 525BB(10 field ID) / 625BB / Tri-SYNC support
- Web remote control
- Alarm output, SNMP support



## Main Specifications

Video input	
SDI input	12G / 3G / HD / SD-SDI 1 input BNC 75Ω
12G-SDI	3840×2160 / 4096×2160 59.94p / 50p
3G-SDI	1920×1080 / 2048×1080 59.94p / 50p 59.94p / 50p (1 Link in 3G-SDI quad, SQD / 2SI, Level-A / Level-B)
HD-SDI	1920×1080 / 2048×1080 59.94i / 50i / 29.97p(PsF) / 25p(PsF) / 23.98p(PsF) 29.97p(PsF) / 25p(PsF) / 23.98p(PsF) (1 Link in HD-SDI quad)
SD-SDI	525 59.94i / 625 50i
Sampling	4:2:2 10bit
Audio input	
SDI Embedded	16 channels (32 channels with Level-B) 48kHz 24bit
AES/EBU	16 channels 48kHz 24bit High density D-sub 15(f)
Reference input	
Reference	525BB / 525BB(10field ID) / 625BB / Tri-SYNC 1 input loop-through BNC 75Ω
Video output	
SDI output	12G / 3G / HD / SD-SDI 4 distribution output BNC 75Ω
12G-SDI	3840×2160 / 4096×2160 59.94p / 50p
3G-SDI	1920×1080 / 2048×1080 59.94p / 50p 59.94p / 50p (1 Link in 3G-SDI quad, SQD / 2SI, Level-A / Level-B)
HD-SDI	1920×1080 / 2048×1080 59.94i / 50i / 29.97p(PsF) / 25p(PsF) / 23.98p(PsF) 29.97p(PsF) / 25p(PsF) / 23.98p(PsF) (1 Link in HD-SDI quad)
SD-SDI	525 59.94i / 625 50i
Sampling	4:2:2 10bit
Audio output	
SDI Embedded	16 channels (32 channels with Level-B) 48kHz 24bit
Timecode output	
Timecode	ATC-LTC / ATC-VITC
Audio function	
Channel mapping	Embedded 1 to 32 channels, AES/EBU 1 to 16 channels, DOWNMIX, Test audio signal
DOWNMIX	LoRo / LtRt / MONO (with channel select and gain adjustable)
Gain adjust	Embedded, AES/EBU -20dB to +20dB
Delay adjust	Embedded, AES/EBU 0~1000ms (with each channel)
Group packet MUX	Group packet 1 to 8 (with each group Enable/Disable setting)
Test audio signal	400Hz / 1kHz, -18dBFS / -20dBFS

### ■ DUX 4 models Main chassis

- FRX-23F 2U full model 10 Module mounting
- FRX-12F 1U full model 3 Module mounting
- FRX-12H 1U half model 1 Module mounting
- FRX-12D 1U half model 1 Module mounting DC12V power input



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