

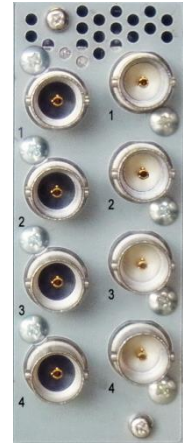
# DUX-205 4K / HD Down converter

# DUX-206 HD / 4K Up converter

- 12G-SDI support
- Shortly delay conversion (Fast mode)
- HDR / SDR conversion
- BT.2100 HLG, S-Log3 support
- BT.709 / BT.2020 conversion
- 4K SQD / 2SI conversion, Level-A / B conversion
- HD Bypass mode



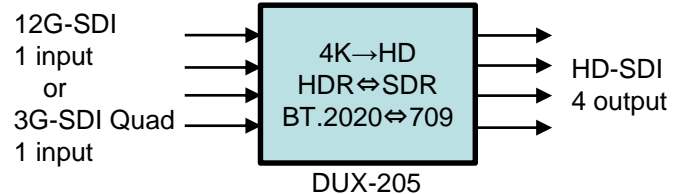
<FRX-23F chassis front image>



<DUX-205 / DUX-206 rear image>

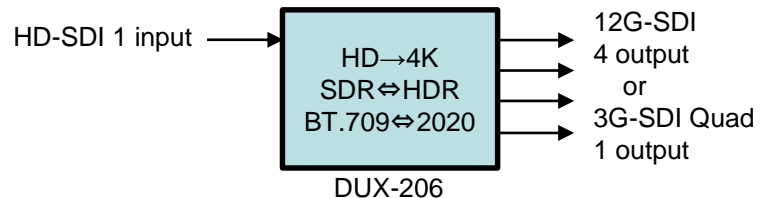
### ■ DUX-205 4K / HD Down converter

- 3840 / 4096×2160 to 1920×1080
- HD-SDI 4 distribution output



### ■ DUX-206 HD / 4K Up converter

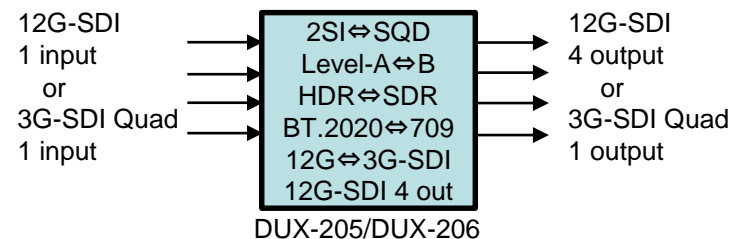
- 1920×1080 to 3840×2160
- 12G-SDI 4 distribution output



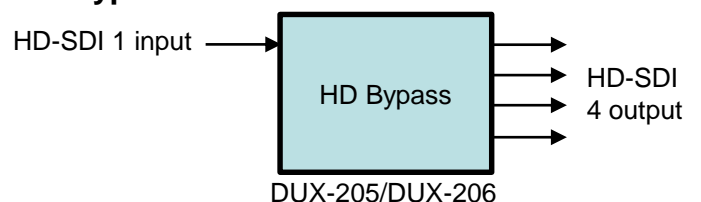
### ■ FEATURES

- 12G / 3G / HD-SDI support
- 59.94 / 50 / 29.97 / 23.98Hz video frame
- SQD / 2SI, Level-A / B support
- HDR / SDR, BT.709 / 2020 conversion
- BT.2100 HLG, S-Log3 support
- "4K to 4K" data structure conversion
- 12G / HD-SDI 1 in 4 distribution output
- Video quality correction function
- Video enhance function
- 16 channels Embedded audio
- ATC-LTC / ATC-VITC support
- External 525BB / 625BB / Tri-SYNC
- Output phase setting for external reference
- Video/Audio test signal output mode
- Web remote control
- Alarm output, SNMP support

### ■ "4K to 4K" Data structure conversion mode



### ■ HD Bypass mode



## Main Specifications

<b>DUX-205 4K/HD Down converter</b>	
SDI input	12G-SDI / 3G-SDI quad / HD-SDI quad 1 input BNC 75Ω
SDI output	HD-SDI 4 distribution output BNC 75Ω
Input video format	3840 / 4096×2160 59.94p / 50p (with 12G-SDI / 3G-SDI quad, SQD / 2SI, Level-A / Level-B) 29.97p(PsF) / 23.98p(PsF) (with HD-SDI quad)
Output video format	1920×1080 59.94i / 50i / 29.97PsF / 23.98PsF (with HD-SDI)
Video sampling	4:2:2 10bit
<b>DUX-206 HD/4K Up converter</b>	
SDI input	HD-SDI 1 input BNC 75Ω
SDI output	12G-SDI 4 distribution output BNC 75Ω 3G-SDI quad / HD-SDI quad 1 output BNC 75Ω
Input video format	1920×1080 59.94i / 50i / 29.97PsF / 23.98PsF (with HD-SDI)
Output video format	3840×2160 59.94p / 50p (with 12G-SDI / 3G-SDI quad, SQD / 2SI, Level-A / Level-B) 29.97p(PsF) / 23.98p(PsF) (with HD-SDI quad)
Video sampling	4:2:2 10bit
<b>Common specification</b>	
Video quality correction	Video filter adjustment, Video enhance
Reference input	525BB / 525BB(10field ID) / 625BB / Tri-SYNC 1 input loop-through BNC 75Ω
Timecode	ATC-LTC / ATC-VITC
Embedded audio	16 channels (32 channels with Level-B) 48kHz 24bit
Color space	Rec. ITU-R BT.709 / 2020
<b>FRX-23F</b>	
Constitution	FRX-23F 2U full model, Redundant power supply
	UXC001 Control module
	10 Module mounting slot (UXC001 not included)
Chassis size	430mm(W)×88mm(H)×450mm(D)
Power requirements	AC100V to 240V±10%, 50Hz/60Hz
Current consumption	350VA (max)
Operating temperature	5°C to 40°C

- 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 (DC12V power input)