



Low latency wall embedded type converter

CWA Series

It is a converter series that can be embedded in an outlet space.
 Different models of video input terminals are available in a lineup.
 The input signal can be converted to 3G-SDI / HD-SDI signal.

- Status can be checked with LED
- Connect PC, set up and update firmware
- BNC cable (120 mm) mounted
- Multiple power supplies for multiple units can also be supplied at once



CWA-DVI-SDI



CWA-RGB-SDI



CWA-NTSC-SDI

Features : CWA-DVI-SDI,CWA-RGB-SDI

- Equipped with "Scaler ON / OFF automatic switching function" that gives priority to low latency
- The conversion delay of the video resolution signal is 0 frame *Up to 2 frames when using the scaling function
- Supports WSXGA+, SXGA, XGA, SVGA, VGA (VESA standard) resolution signal
- Equipped with a scaler capable of up-conversion, cross-conversion, I/P conversion, aspect conversion
- Although the DVI cable is 5 m, it can be extended up to 80 m by converting it to SDI *CWA-DVI-SDI

Features : CWA-NTSC-SDI

- Can input either S video or composite video video signal
- Automatic detection function recognizes the connected video equipment
- Equipped with a scaler that can upconvert, I / P conversion, aspect conversion
- Realize low delay of up to 2 frames

LED Status

Green(lighting)	With input signal (Scaler OFF) *CWA-DVI-SDI,CWA-RGB-SDI
Blue(lighting)	With input signal (Scaler ON)
Green(Blinking)	Signal out of specification
Off	No input signal
Yellow(Blinking)	Error

Space saving converter

CWB Series

It is a stationary converter series that can be installed in a system rack.
 The input signal can be converted to 3G-SDI / HD-SDI signal.

Features

- Equipped with "Scaler ON / OFF automatic switching function" that gives priority to low latency
- The conversion delay of the video resolution signal is 0 frame *Up to 2 frames when using the scaling function
- Supports WSXGA+, SXGA, XGA, SVGA, VGA (VESA standard) resolution signal
- Equipped with a scaler capable of up-conversion, cross-conversion, I/P conversion, aspect conversion
- Although the DVI cable is 5 m, it can be extended up to 80 m by converting it to SDI
- Status can be checked with LED



CWB-DVI-SDI



CWB-RGB-SDI

LED Status

Green(lighting)	With input signal (Scaler OFF)
Blue(lighting)	With input signal (Scaler ON)
Green(Blinking)	Signal out of specification
Off	No input signal
Yellow(Blinking)	Error

CWA Sereis Specifications

		CWA-DVI-SDI	CWA-RGB-SDI
Video Input	Terminal	DVI-D x1 *HDCP Unsupported	D-SUB 15P(female) x1
	Format	1920x1080/59.94p, 1920x1080/59.94i, 1280x720/59.94p, 720x480/59.94i VESA Format 1680x1050/60Hz(WXGA+), 1280x1024/60Hz(SXGA), 1024x768/60Hz(XGA), 800x600/60Hz(SVGA), 640x480/60Hz(VGA)	
Video Output	Terminal	BNC (3G-SDI /HD-SD Shared)x1	
	Format	1920x1080/59.94p Level-A/B, 1920x1080/59.94i *SDI audio is not supported	
Signal processing	Scaler function	Up / Cross / Scan Convert, I / P Conversion, Aspect Transformation	
	I / O delay	0 frame *Scaling OFF Max 2frame *Scaling ON	
Power supply		Optional AC adapter, dedicated power supply	
Power Consumption		<5W	
Operational Temperature		5 - 40°C(without condensation)	
Dimensions		48(W)x110(H)x56(D) mm *Except BNC cable	
Weight		135g	134g

		CWA-NTSC-SDI	
Video Input	Terminal	mini DIN 4P x1 (S-Video), BNCx1 (Composite Video) *Exclusive use	
	Format	NTSC	
Video Output	Terminal	BNC (3G-SDI /HD-SD Shared) x1	
	Format	1920x1080/59.94p Level-A/B, 1920x1080/59.94i *SDI audio is not supported	
Signal processing	Scaler function	Up Convert, I / P Conversion, Aspect Transformation	
	I / O delay	Max 2frame	
Power supply		Optional AC adapter, dedicated power supply	
Power Consumption		<5W	
Operational Temperature		5 - 40°C(without condensation)	
Dimensions		48(W)x110(H)x64(D) mm *Except BNC cable	
Weight		139g	

Product composition : Converter, Manual / warranty card

Optional power supply

- AC adapter (for 1unit)
CWA-AC-ADP12W
*DC side cable length 1.8 m
- DC power extension cable (20m)
CWA-DC-EXCBL-20
- AC adapter (for Max 3unit)
CWA-AC-ADP24W
*DC side cable length 1.8 m
- Unit type power supply (for Max 3unit)
•HWS15A-12/A
*Manufactured by tdk-lambda

CWB Sereis Specifications

		CWB-DVI-SDI	CWB-RGB-SDI
Video Input	Terminal	DVI-D x1 *HDCP Unsupported	D-SUB 15P(female) x1
	Format	1920x1080/59.94p, 1920x1080/59.94i, 1280x720/59.94p, 720x480/59.94i VESA Format 1680x1050/60Hz(WXGA+), 1280x1024/60Hz(SXGA), 1024x768/60Hz(XGA), 800x600/60Hz(SVGA), 640x480/60Hz(VGA)	
Video Output	Terminal	BNC (3G-SDI /HD-SD Shared) x1	
	Format	1920x1080/59.94p Level-A/B, 1920x1080/59.94i *SDI audio is not supported	
Signal processing	Scaler function	Up / Cross / Scan Convert, I / P Conversion, Aspect Transformation	
	I / O delay	0 frame *Scaling OFF Max 2frame *Scaling ON	
Power supply		AC100V 50/60Hz *AC adapter included	
Power Consumption		<5.3W	
Operational Temperature		5 - 40°C(without condensation)	
Dimensions		102(W)x32(H)x55(D) mm	
Weight		155g	154g

Product composition : Converter, AC adapter, Fixing bracket, Non-slip rubber, Manual / warranty card

The specifications and/or appearance of the products are subject to change without prior notice.

Carina System Co., Ltd.

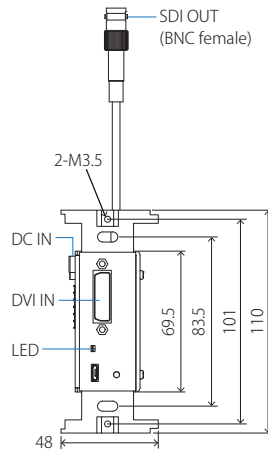
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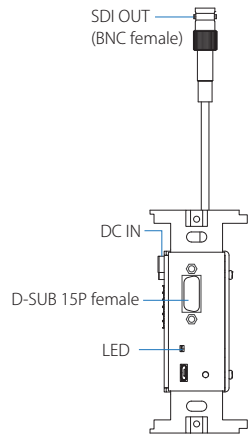
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Terminal / external dimensions

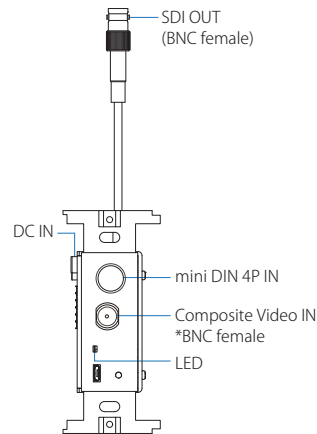
● CWA-DVI-SDI



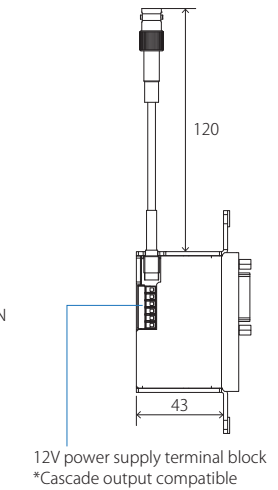
● CWA-RGB-SDI



● CWA-NTSC-SDI

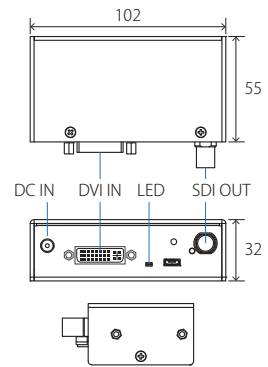


● Side view *CWA-DVI-SDI

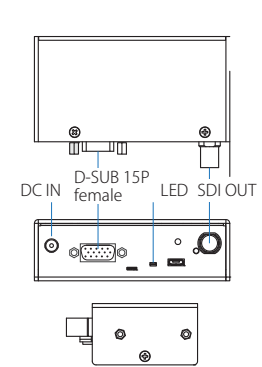


Terminal / external dimensions

● CWB-DVI-SDI



● CWB-RGB-SDI



● Fixing bracket

