

# Connect RCU

## BROADCASTGEAR Connect SDI Remote Shading Unit

Control basic shading functions of your Sony Camera via your ATEM software or via the ATEM Camera Control Panel. This unit converts SDI Data from a Blackmagic Design ATEM live production Switcher to Sony Camera Protocol. With this unit you can have basic CCU control of the Sony Broadcast cameras from the CCU control of a Blackmagic Design ATEM video mixer.

This CCU control is built into the software of the ATEM and normally controls the BMD Ursa and Studio camera's. We are now able to do the basic CCU control of the Sony broadcast cameras like the PMW-320 PMW-400 and others. (we have to test on more models, but the protocol is the same)  
The box is powered by the Remote port of the Sony camera. 1 SDI return video is needed from the ATEM to the RCU box for the control data from the ATEM. SDI loop out can be fed to a monitor for PGM return video for the camera operator.

16 Cam ID's selectable by rotary switch.

### Functions include:

- Tally by internal LED and External output for tally light
- Iris Control
- Shutter
- Gain
- White Level Correction
- Black Level Correction
- Master Black Level
- On Camera Tally goes with the red external Tally

Supply: Via Camera

Dimensions: 140x75x30mm

Delivery includes 1 BG Connect SDI RCU + 1 Control cable for Sony Controlport. (External Tally light not included)

The cameras supported are from the Broadcast line of Sony. They need to have the 8pin Circular "Remote" connector and must support Sony 700 protocol.

FS5/FS7 is not supported, check with us if your model is supported

Connecting the box is simple like plug in your SDI return feed. Connect the control cable to the camera. Power-up the camera and the control will be activated.

It can be run from a SDI return video and will also integrate easily with Fiber converters.

\*\* The converter will accept HD-SDI and 3G-SDI. It can not run with 4K SDI. But we use this box also in a setup with an ATEM 4ME Broadcast running 12G-SDI video. For this we have a special down converter that does 12G-SDI to 3G-SDI that keeps CCU, Tally and Audio data intact. If you need this in a 4K environment ask us for more information how to integrate this.



### Connections:

- BNC 3G SDI Return signal from your ATEM Switcher
- BNC 3G SDI Loop out for return feed monitor available
- 12pin Hirose for Camera Control
- Jack 3.5mm for connection of external Tally Light (Datavideo TD-3)
- RJ45 Ethernet connection (for future use)

### Led Indicators:

- Status
- Tally

### Supported Camera's:

- |           |         |         |
|-----------|---------|---------|
| • PDW-530 | PMW-320 | PMW-350 |
| PMW-400   | PMW-500 |         |

Other Sony camera's with 700 protocol (Not tested yet)

- |           |          |           |
|-----------|----------|-----------|
| • PMW-EX3 | PMW-300  | PXW-X320  |
| PXW-X400  | PXW-Z450 | PXW-X500  |
| PDW-F335  | PDW-680  | PDW-800   |
| PDW-850   | HDW-650P | HDW-F900R |
| HDC-4300  | F5       | F55       |
| F65       |          |           |