VGA + Audio to USB Type-C Converter

V2C-100	V2C-100A (w/Audio In)
Features	General Description

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VGA Receiver Compliant **Support 3D Video Data Stream** **Support Resolution up to1080P** **Support 8/10/12-bit Deep color** **Support DDC** **Support Hot-Plug Detect** **Support Status and Control Data Channel (SCDC)** **Support Data Lane Swap and Polarity Swap** **Build-in Pattern Generation DP1.1 Transmitter** **Compliant to VESA DP1.1 Standard** **Data Lane and Polarity Swapping** **Power Free** **With 5V Power Jack (USB Power Cable & 5V AC Adapter option)** **DP1.1 Transmitter Compliant to VESA DP1.1 Standard Support Four Lanes with 1.62Gbps (RBR), 2.7Gbps (HBR) or 5.4Gbps (HBR2) Data Rate Support Resolution up to 1080P**	The **V2C-100 & V2C-100A** is VGA to Type-C Alternate Mode switch with internal DP1.1 converter. For VGA input, V2C-100A features a HDMI2.0 receiver with 1 clock lane and 3 data lanes operating at maximum 6Gb/s per data lane and a maximum input bandwidth of 18Gb/s, allowing resolution up to 1080P for RGB format. The converter also integrates a DDC controller and supports EMI effect on EMI-concerned system application. In order to be adaptable to the latest USB Type-C ecosystem, V2C-100A integrates a high performance bidirectional Super-Speed switch controlled by CC logic and PD management unit to relieve mobile system design complexity and BOM cost. The switch function is compliant with VESA DP Alternate Mode on USB Type-C Standard. **Applications:** Mobile systems, VR/AR Cellular handsets, PAD/Tablets Digital video cameras and Digital still cameras Temperature Range: -40°C to +85°C Dimension :46 * 48 *15 (mm) +15cm Cable Weight : 45g~60g include cable