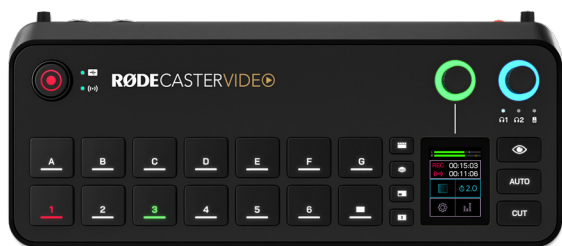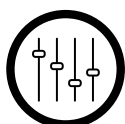# RØDECASTERVIDEO™

VIDEO AND AUDIO PRODUCTION CONSOLE

The RØDECaster Video is a revolutionary all-in-one video and audio production console that provides intuitive control over every element of your content. Combining powerful video switching, recording and production capabilities with a fully integrated professional audio mixer, it offers a seamless way to streamline and supercharge your workflow for studio productions, video podcasts and interviews, and stream live events with broadcast quality.

- Switch between up to six video sources and seven fully customisable scenes at the press of a button

- High-performance octa-core CPU video and audio processor

- Four full HD (1080p) HDMI inputs with auto frame rate conversion and two configurable HDMI outputs for viewing program, preview and multiview

- Two flexible USB-C ports for connecting webcams and RØDE USB audio devices to use as additional video and audio sources

- Two studio-grade Neutrik® combo jacks with ultra-low-noise, high-gain Revolution Preamps™ for capturing pristine audio from XLR microphones, instruments or any other audio source

- Dual internal wireless receivers for connecting RØDE Series IV wireless microphones

- Powerful APHEX® audio processing, including an EQ, compressor, noise gate, high-pass filter, de-esser and the legendary Aural Exciter™, Big Bottom™ and Compellor™ effects

- 2-inch high-resolution touchscreen and versatile rotary encoder for quick configuration and setting adjustment

- Ability to create seven complex scenes with multiple layers of video, media and graphics, which can be saved and triggered at the touch of a button

- Automatic chroma keying for effortlessly replacing backgrounds with media or live video inputs

- Media playback, graphic overlays, keying, transitions and multi-source scene creation all accessible from the front panel

- Innovative "Inspect" feature for quick-and-easy preview and configuration of any input or scene

- Intelligent auto-switching for seamless hands-free switching of video sources and scenes based on audio inputs

- Stream directly to all major platforms via Wi-Fi or Ethernet and record directly to an external USB storage device, including isolated (ISO) recording for complete post-editing flexibility

- Remote control, user-assignable graphics and media, custom scene building, audio mixing and effects, and other advanced configuration options via RØDE Central

- Designed and made in RØDE's state-of-the-art facilities in Sydney, Australia

BROADCAST GRADE VIDEO

STUDIO QUALITY AUDIO

STREAMING AND RECORDING

FLEXIBLE INPUT OPTIONS

rode.com

VIDEO SPECIFICATIONS

Video Input Feeds:	6 simultaneous
HDMI Inputs:	4 type-A (HDMI 1.4b)
USB (UVC) Inputs:	2 multi-function USB-C for UVC video
HDMI Outputs:	2 configurable – preview, program, multiview
Video Input Frame Rates:	1920x1080p: 23.97, 24, 25, 29.97, 30, 50, 59.94, 60 (HDMI only) 1920x1080i: 25, 29.97, 30
Video Output Frame Rates:	1920x1080p: 24, 25, 30, 50, 60
Video Streaming Standards:	1920x1080p: 23.97, 24, 25, 29.97, 30, 50, 59.94, 60
Video Engine Colour Space / Bit Depth:	4:4:4 RGB / 8-bit
HDMI Input Colour Space / Bit Depth:	4:4:4 RGB, 4:4:4 YUV, 4:2:2 YUV / 8, 10, 12-bit
USB Input Colour Space:	4:2:2 YUV, 4:2:0 YUV (NV12)
HDMI Output Colour Space / Bit Depth:	4:4:4 RGB, 4:4:4 YUV / 8-bit
USB Output Colour Space / Bit Depth:	4:2:2 YUV / 8-bit
Format and Frame Rate Converters:	On all HDMI and USB inputs

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SWITCHING SPECIFICATIONS

Total Number of Layers:	9 simultaneous in Preview and Program
Downstream Keyers:	2 (overlays and logo)
Chroma Keyers (Green and Blue):	2
Media Players:	2 simultaneous
Transitions:	SMPTE wipes, dip and fade
True Preview:	Display complete scenes and overlays simultaneously in preview and program
Generated Borders:	All scenes
Multiview:	• Program and preview • Live inputs, scene and media thumbnails • Audio mixer and channel status • Recording, network and storage status • Run time, date and time information
Media Player:	Expandable microSD card storage **Videos:** MP4 **Images:** PNG, JPG **Audio:** WAV
Bluetooth:	5.3 (for stereo audio input or phone calls)

AUDIO SPECIFICATIONS

Analog Audio Inputs:	2 combo jacks (microphone, line or instrument) with Revolution Preamps™
Wireless Audio Inputs:	2 Series IV wireless receivers
Digital Audio Inputs:	**USB 1:** 2-in/2-out or multichannel (20-in) output **USB 1 Chat (uses USB 1 port):** 2-in/2-out with mix-minus **USB 2:** 2-in/2-out with MFi support **USB 4 & 5:** compatible with RØDE USB microphones and RØDECaster Pro II and Duo
Analog Audio Outputs:	2 headphone outputs (1/4-inch) 2 balanced line outputs (1/4-inch, L/R)
Audio Mixer:	**20 possible audio sources (9 stereo channels simultaneously):** combo 1 and 2 (can be combined for stereo), wireless 1 and 2, video clips, sounds, HDMI 1, 2, 3 and 4 (each can be split for two mono), Bluetooth,3 USB audio interfaces (computers), 2 hosting USB audio devices (microphones) 12 Outputs with Custom Routing: live mix, headphone 1, headphone 2, recording, monitors, USB Main, USB Chat, USB 1, 2, 4 and 5, Bluetooth **Note:** Each output can be independently configured with custom level, mute status and level offset settings for each of the 9 inputs

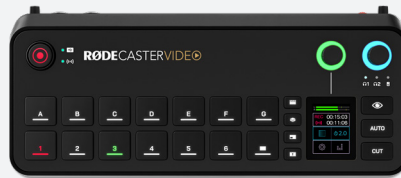|	
Audio Processing:	**APHEX® VoxLab™ Processing:** per channel **Advanced APHEX® granular processing on each channel:** Compressor, Equaliser (EQ), De-esser, Panning, Noise Gate, High-pass Filter, Aural Exciter™, Big Bottom™
Preamps:	**Frequency range:** 20Hz – 20kHz **Input gain:** up to 76dB Input **Equivalent Input Noise:** -131.5dBV (A-weighted)
Streaming Sample Rate / Bit Depth:	48kHz / 32-bit
Recording Sample Rate / Bit Depth:	48kHz / 24-bit

STREAMING, RECORDING AND SOFTWARE SPECIFICATIONS

Direct Streaming:	Real Time Messaging Protocol (RTMP/RTMPS) over Ethernet or Wi-Fi
Supported Platforms:	• Youtube Live • Twitch Live • Facebook Live • Twitter/X Live • Custom server
Network:	Ethernet (10/100/1000 BaseT) and Wi-Fi 6 (2.4 and 5GHz) for streaming, configuration, remote control with computer and over-the-air updates
Storage Media:	External USB mass storage device (exFAT format) for recordings
Video Recording:	Program feed as H.264/AVC MP4 file with embedded AAC stereo mix
Isolated (ISO) Video Recording:	6 video inputs and 1 Program feed as independent H.264/AVC files (up to 1080p30)
Audio Recording:	Stereo mix WAV audio file
Multitrack Audio Recording:	9 independent stereo WAV audio files
RØDE Central Companion Software:	**Scene builder:** advanced construction of scenes and remote control of device **Auto-switching:** configuration of automatic switching based on audio input **Audio mixer:** advanced configuration and control of audio sources, processing and routing **Stream profiles:** configuration for streaming settings and profiles **Device configuration:** advanced settings and customisations
Compatible Operating Systems:	macOS 11 or later Windows 10 Version 1803 or later, Windows 11

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POWER AND MECHANICAL SPECIFICATIONS

Power Supply Requirements:	USB-C PD 60W, 20V 3A
Weight (grams):	1257
Dimensions (millimetres):	**Length:** 132.5 **Width:** 305.9 **Height:** 61.4

WHAT'S IN THE BOX

RØDECaster Video

2 x External Antenna

Power Supply

SuperSpeed USB-C to USB-C Cable

DIMENSIONS

132.5mm

305.9mm

61.4mm

305.9mm

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