

# RØDECASTERVIDEOS™

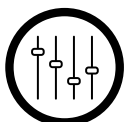
## VIDEO AND AUDIO PRODUCTION CONSOLE

The RØDECaster Video S is a revolutionary all-in-one console for video and audio production, giving you intuitive control over every aspect of your content. A streamlined version of the RØDECaster Video, it combines powerful video switching, recording, and production tools with a fully integrated professional audio mixer, all in a compact, desktop-friendly package. From studio shoots and video podcasts to interviews and live streams, the RØDECaster Video S delivers seamless, broadcast-quality results with total ease.

- Switch between up to four video sources and five fully customisable scenes
- High-performance octa-core CPU video and audio processor
- Three HD (1080p) HDMI inputs, one configurable HDMI output, and one multi-function USB-C port for connecting webcams and RØDE USB audio devices
- 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
- 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
- Media playback, keying, transitions, multi-source scenes and graphic overlays accessible from the front panel
- Support for network cameras (including PTZ operation) with up to four NDI inputs® and one output via Ethernet, plus dual-cam streaming with the free RØDE Capture app for iOS devices
- 2-inch high-resolution touchscreen and versatile rotary encoder for quick configuration and setting adjustment
- Connect an external SSD via USB to record video or output directly to a computer via UVC
- Remote control, user-assignable graphics and media, custom scene building, audio mixing and effects, and other advanced configuration options via RØDECaster App
- Intelligent auto-switching for seamless hands-free switching of video sources and scenes based on audio inputs
- Dual USB-C audio interfaces for simultaneous connection to two computers and/or mobile devices
- Dual internal wireless receivers for connecting RØDE Series IV wireless microphones
- 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
- 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



### WHAT'S IN THE BOX



RØDECaster Video S



Power Supply



SuperSpeed USB-C to USB-C Cable

# RØDE

## VIDEO SPECIFICATIONS

|                                        |                                                                                                         |
|----------------------------------------|---------------------------------------------------------------------------------------------------------|
| Video Input Feeds:                     | 4 simultaneous                                                                                          |
| HDMI Inputs:                           | 3 type-A (HDMI 1.4b)                                                                                    |
| USB (UVC) Inputs:                      | 1 multi-function USB-C for UVC video                                                                    |
| HDMI Outputs:                          | 1 configurable – Preview, Program, Multiview, Inputs 1 - 4                                              |
| Video Input Frame Rates:               | <b>1920x1080p:</b> 23.98, 24, 25, 29.97, 30, 50, 59.94, 60 (HDMI only) <b>1920x1080i: 25, 29.97, 30</b> |
| Video Output Frame Rates:              | <b>1920x1080p:</b> 24, 25, 30, 50, 60                                                                   |
| Video Streaming Standards:             | <b>1920x1080p:</b> 23.98, 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                                                                              |
| NDI Protocols:                         | Single TCP, Multicast                                                                                   |
| NDI Formats:                           | Hx2, Hx3                                                                                                |
| NDI Video Codecs:                      | H.264, HEVC/H.265, 4:2:0, 8-bit                                                                         |
| NDI Audio Codecs:                      | AAC-LC, L-PCM Stereo 2.0 at 48kHz                                                                       |
| NDI Interfaces:                        | Wired Ethernet                                                                                          |

## SWITCHING SPECIFICATIONS

|                                 |                                                                                                                                                                                                                                                                |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Total Number of Layers:         | 9 simultaneous in Preview and Program                                                                                                                                                                                                                          |
| Downstream Keyers:              | 2 (overlays and logo)                                                                                                                                                                                                                                          |
| Chroma Keyers (Green and Blue): | 2                                                                                                                                                                                                                                                              |
| Luma Keyer:                     | 1                                                                                                                                                                                                                                                              |
| 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:                      | <ul style="list-style-type: none"><li>• Program and preview</li><li>• Live inputs, scene and media thumbnails</li><li>• Audio mixer and channel status</li><li>• Recording, network and storage status</li><li>• Run time, date and time information</li></ul> |
| Media Player:                   | 24GB on-board storage<br><b>Videos:</b> MP4<br><b>Images:</b> PNG, JPG<br><b>Audio:</b> 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:              | <p><b>USB 1:</b><br/>2-in/2-out or multichannel (20-in) output</p> <p><b>USB 1 Chat (uses USB 1 port):</b><br/>2-in/2-out with mix-minus</p> <p><b>USB 2:</b><br/>2-in/2-out with MFi support</p> <p><b>USB 4:</b><br/>compatible with RØDE USB microphones and RØDECaster Pro II and Duo</p>                                                                                                                                                                                                                                                                                                                           |
| Analog Audio Outputs:              | 2 headphone outputs (1/4-inch)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Audio Processing:                  | <p><b>APHEX® VoxLab™ Processing:</b> per channel</p> <p><b>Advanced APHEX® granular processing on each channel:</b> Compressor, Equaliser (EQ), De-esser, Panning, Noise Gate, High-pass Filter, Aural Exciter™, Big Bottom™</p>                                                                                                                                                                                                                                                                                                                                                                                        |
| Preamps:                           | <p><b>Frequency range:</b> 20Hz – 20kHz</p> <p><b>Input gain:</b> up to 76dB Input</p> <p><b>Equivalent Input Noise:</b> -131.5dBV (A-weighted)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Streaming Sample Rate / Bit Depth: | 48kHz / 32-bit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Recording Sample Rate / Bit Depth: | 48kHz / 24-bit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Audio Mixer:                       | <p><b>18 possible audio sources (9 stereo channels simultaneously):</b> combo 1 and 2 (can be combined for stereo), wireless 1 and 2, video clips, sounds, HDMI 1, 2 and 3 (each can be split for two mono), Bluetooth, 3 USB audio interfaces (computers), 1 hosting USB audio device (USB microphone)</p> <p><b>11 Outputs with Custom Routing:</b> live mix, headphone 1, headphone 2, recording, USB 1 Chat, USB 1, USB 2, USB 4, Bluetooth, HDMI A, Network</p> <p><b>Note:</b> Each output can be independently configured with custom level, mute status and level offset settings for each of the 9 inputs.</p> |

## STREAMING, RECORDING AND SOFTWARE SPECIFICATIONS

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Direct Streaming:                  | Real Time Messaging Protocol (RTMP/RTMPS) over Ethernet or Wi-Fi                                                                                                                                                                                                                                                                                                                                                                                   |
| Supported Platforms:               | <ul style="list-style-type: none"> <li>• Youtube Live</li> <li>• Twitch Live</li> <li>• Facebook Live</li> <li>• Twitter/X Live</li> <li>• Custom server</li> </ul>                                                                                                                                                                                                                                                                                |
| 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                                                                                                                                                                                                                                                                                                        |
| RØDECaster App Companion Software: | <p><b>Scene builder:</b> advanced construction of scenes and remote control of device</p> <p><b>Auto-switching:</b> configuration of automatic switching based on audio input</p> <p><b>Audio mixer:</b> advanced configuration and control of audio sources, processing and routing</p> <p><b>Stream profiles:</b> configuration for streaming settings and profiles</p> <p><b>Device configuration:</b> advanced settings and customisations</p> |
| 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:    | 4 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                                                                                                                                                                                                                                                                                                                                                                                                               |
| Compatible Operating Systems:      | macOS 11 or later<br>Windows 10 Version 1803 or later, Windows 11                                                                                                                                                                                                                                                                                                                                                                                  |

POWER AND MECHANICAL SPECIFICATIONS

|                            |                         |
|----------------------------|-------------------------|
| Power Supply Requirements: | USB-C PD 45W, 20V 2.25A |
| Weight (grams):            | 875                     |
| Dimensions (millimetres):  | Length: 253.5           |
|                            | Width: 128.4            |
|                            | Height: 60.2            |

DIMENSIONS

