Parameter	Specification
1. PRODUCT OVERVIEW	
Product Name	NearStream Producer
Product Positioning	All-in-One Live Production System
Plug & Play	USB 3.0 Plug & Play, driver-free
2. PHYSICAL SPECIFICATIONS	
Dimensions	169*75*65mm
Weight	350g
Material	Aluminum Alloy Chassis
Mounting	Desktop
Display	2.0" TFT LCD, 320×240 Resolution
Control	Physical Buttons + Built-in Joystick
3. VIDEO SYSTEM	
3.1 Video Inputs	
Total Video Inputs	Connect Up to 9 Video Sources： 2x HDMI · 2x USB-C · 2x PoE/NET(RTSP Input Supported) · 2x Wi-Fi · Media 6 Simultaneous Inputs: 2 × HDMI 2 × USB-C with UVC Video 2 × Selectable Network/Wireless Inputs Network/Wireless sources: 2 × PoE/NET 2 × Wi-Fi Any 2 of the 4 PoE/NET and Wi-Fi sources can be selected simultaneously.
HDMI Inputs	2× HDMI;Supports 1920×1080p30
USB-C Video Inputs	2× USB-C UVC Video Input
Network/Wireless Inputs	2× Selectable (Select any 2 from 4 sources simultaneously)
├ PoE/NET Inputs	2× PoE/NET;RTSP Input Supported
├ Wi-Fi Inputs	2× Wi-Fi
Media Player	1×Local Media File Playback
3.2 Video Outputs	
HDMI Output	1× HDMI
USB Output	1× USB
3.3 Video Formats	
Input Frame Rate	1920×1080p30
Output Frame Rate	1920×1080p30
Streaming Resolution	1920×1080p30
3.4 Color Space	
Video Engine	RGB / 8/10/12-bit
HDMI Input	4:4:4 RGB, 4:4:4 YUV, 4:2:2 YUV / 8/10/12-bit
USB Input	4:2:2 YUV, 4:2:0 YUV
HDMI Output	RGB / YUV 8-bit
USB Output	4:2:2 YUV / 8-bit
4. AUDIO SYSTEM	
4.1 Audio Inputs	
Analog Audio Inputs	3× 3.5mm TRS:2× Mono Mic In + 1× Stereo Line In
Digital Audio Inputs	2× USB-C Device Audio
Wireless Audio Inputs	Wi-Fi Connected Devices
HDMI Embedded Audio	2× HDMI Audio
USB UVC Audio	2× USB UVC Audio
USB PC Audio	1× USB PC Audio

NET/Wi-Fi Audio	2× NET/Wi-Fi Audio
Total Mixer Channels	Up to 11 Audio Channels: 2 × HDMI Audio 2 × USB UVC Audio 1 × USB PC Audio 2 × NET/Wi-Fi Audio 1 × Line In (2-channel, supports dual-channel wireless microphone receivers) 2 × 3.5 mm Mic In
4.2 Audio Processing	
Audio Gain Adjustment	Supported;Per-channel independent gain control
Audio Delay	0 ~ 500 ms
Per-Source Mute	Supported; Independently mute/unmute each source for streaming and recording
Audio Recording Format	WAV / Stereo Mix WAV
Audio Codec	AAC Stereo;Embedded in video stream
5. SWITCHING & EFFECTS	
Total Layers	9 Layers(Program, Preview, HDMI×2, UVC×2, Wi-Fi×2, NET×2, Media)
Transitions	Supported
True Preview	Supported
Multiview	Supported
Media Player	Supported
Supported Media Formats	Video: MP4; Images: PNG, JPG
6. RECORDING & STORAGE	
Video Recording	Program feed as H.264/AVC MP4 with embedded AAC stereo mix
Audio Recording	Stereo mix WAV audio file
Storage Media	TF Card (microSD), FAT32, Max 256GB
7. NETWORK & STREAMING	
Wired Network	10/100 Base-T Ethernet
Wireless Network	Dual-band 2.4GHz/5GHz
Streaming Protocol	RTSP
Supported Platforms	YouTube Live, Twitch Live, Facebook Live, X (Twitter) Live..
Video Codec	H.264/AVC
8. CONTROL INTERFACES	
PTZ Camera Control	Built-in Joystick;Direct Pan, Tilt, Zoom control of compatible cameras via NET/PoE or Wi-Fi
USB UVC PTZ Control	Not Supported
OS Compatibility	Windows / macOS / Linux / Chrome OS
9. SYSTEM & POWER	
Power Input	USB-C Power Adapter
Power Consumption：	100W
10. IN THE BOX	
User manual x1 Warranty card x1 SD card adapter x1 USB-C to USB-A/C data cable x1 USB-C to USB-C power cable x1 Single-port USB-C PD 100W adapter x1	