

VINTAGE CLOUD STEENBECK DETAILED SPECIFICATIONS

May 2019, v.2.1



Property	Specifications
Scanning speeds	24fps, 25fps, 30fps, 50fps, 60fps (forward and backwards) in 1080p HD 24fps, 25fps, 30fps in 4K (2perf, 3perf, 4perf) 120fps for proxy scans available in both 4K and HD
Resolution	1080p HD and 4K in 4:2:2 and 4:4:4 RAW (optional)
Film Formats	16mm and 35mm models available (separate products)
Shrunken film	Up to 2,5 % requires accessory capstan sprocket (optional)
Damaged film	Mechanical drive extremely tolerant to damages on film such as old splices, missing perforations, warped film etc. (precision not guaranteed, but scanning proces is uninterrupted).
Warped film	Rounded gate capstan counteracts effects from warped film.
Vertical Registration precision	Vertical registration precision down to +/- 0.5 pixels, electronically controlled and calibrated. Actual precision depends on perforation quality. Typically +/- 1 pixels can be achieve on stock film. Delivered calibrated and proved stable with test film to +/- 1 pixel

Audio digitization	Simultaneous with image and embedded in SDI video stream and recording. Mono or Stereo.
Audio types	SEPMAG, SEPOPT, COMOPT, COMMAG, External Line-In Stereo
Wow and Flutter performance	Below 0.1%
Preview	Full framerate live WYSIWYG image. 4K monitor Integrated speakers Headphone amplifier
Scopes	Waveforms, RGB and luma parades, vector scopes, audio monitoring by choice.
Light source, Grading	Diffuse WRGB printer light LED source, adjustable 0-100% on each channel. Primary color correction on sensor.
Output signals	HD/4K live stream over SDI in 1:1 resolution and framerate, embedded audio. Balanced stereo XLR line out (monitor) Headphone out Trilevel Sync out (optional) Ethernet USB Biphase out, TTL. GPI (optional) Thunderbolt for 4:4:4 RAW (optional)
Meta data	Integrated with Vintage Cloud Steenbeck Digitizer <ul style="list-style-type: none"> • Based on artificial intelligence and machine learning • Index concepts, face, written text and spoken text • Index in real time when film is digitized on a Vintage Cloud Steenbeck Digitizer • Index imported files from archives in real time • Deliver overview of recognized concepts in each film • Free text search • Show thumbnails for matching results in each film • Direct link to clip for each thumbnail with matching result • Show position in film of matching results
Recording	Recording directly to Uncompressed HD, ProRes 4:2:2 or DNxHD on SSD drive. DPX 4:4:4 RAW files through external computer (optional) Parallel MP4 recording to network/cloud service and/or USB stick (optional) Parallel recording 2K/4K/H264 (optional)
Post production	No mandatory post production necessary for basic scanning. However, dust and scratch removal, electronic image stabilization may all be added externally, either with live stream processing hardware or post production software.

All specs are subject to change without further notice.