

Nightshade — S1

Complete Technical Report
Prepared by Daniel Reed — DIT

RedPixl.pictures

RedPixl s.r.o., Prague, CZ
redpixl.pictures

Production

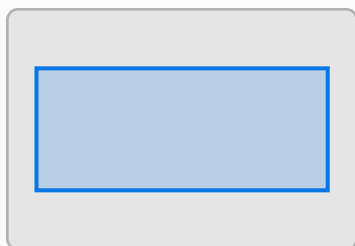
Director	Michael Halloran
DOP	Sarah Collins
Network	Prime Originals
Studio / Production	RedPixl Studios
Post Production	RedPixl Post
Line Producer	James Beck
Production Manager	Anna Porter

Schedule

Shoot start	7.9.2026
Shoot end	9.10.2026
Shoot days	24
Test / grid days	2
Total shoot days	26

Camera Main — ARRI ALEXA 35

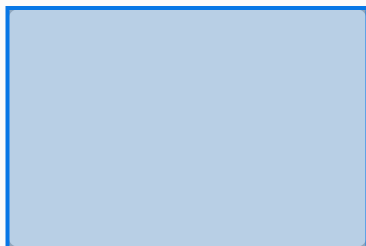
Sensor	Super 35 · 28.0 × 19.2 mm
Codec	ARRIRAW
Resolution	3.8K 2.39:1 (3840×1608)
Frame rate	24 fps
Color profile	LogC4
Data rate	232 MB/s (834 GB/hr)
Recording	2h / day
Storage	1.67 TB / day · 43.35 TB total
Media	Codex Compact Drive 1 TB · 4 cards/day (min 3, incl. spare)



3.8K 2.39:1 (3840×1608) · 42% of sensor area

Camera Steadicam — Sony VENICE 2 (6K)

Sensor	Full Frame · 36.2 × 24.1 mm
Codec	X-OCN XT
Resolution	6K 3:2 (6048×4032)
Frame rate	24 fps
Color profile	S-Log3 / S-Gamut3.Cine
Data rate	476 MB/s (1712 GB/hr)
Recording	2h / day
Storage	3.42 TB / day · 89.02 TB total
Media	Sony AXS (AXSM) 1 TB · 6 cards/day (min 3, incl. spare)



6K 3:2 (6048×4032) · 100% of sensor area

Audio — Sound Devices Scorpio

Recorder	Sound Devices Scorpio
Tracks	12
Format	PCM 48 kHz / 24-bit
Data rate	1.73 MB/s
Storage	62.2 GB / day · 1.62 TB total
Media	SD 128 GB · 10h/day

Storage — Per Day

Total	5.28 TB
Originals	5.09 TB
Proxies	126.3 GB
Audio	62.2 GB

Storage — Whole Project

Total	137.26 TB
Originals	132.36 TB
Proxies	3.28 TB
Audio	1.62 TB
Dailies cloud	1.68 TB

Drives & Archive

Camera cards / day	10
Sound cards / day	1
Shuttle drives	12 × 2 TB SSD
On-site backup	9 × RAID (1 set)
LTO tapes	16 × LTO-9 (18 TB)

Data Rates & Throughput

Originals	5.09 TB/day · 132.36 TB total
Offload speed	600 MB/s
Verification	2× checksum
Offload time / day	4.7 h
Backup speed	800 MB/s (parallel)
Camera hours	104 h total

Proxies & Post

Dailies

ProRes 422 Proxy · HD 1080p (1920×1080) · 24p · 1.68 TB · transcode 10.4 h · upload 12.4 h · dailies cloud

Editorial

DNxHD 36 (HD) · HD 1080p (1920×1080) · 24p · 1.61 TB · transcode 10.4 h · upload 11.9 h · editorial

Transcode machine	2× realtime
Upload bandwidth	300 Mbps

LTO Archive Plan

Tape	LTO-9 (18 TB)
Native write speed	400 MB/s
Archive copies	2
Tapes needed	16
Data archived	264.73 TB
Verification	2× checksum
Est. archive time	15.4 days

Notes

Sample production plan generated for demonstration. Two-camera drama block, ARRIRAW + X-OCN, dailies to cloud and editorial hand-off. Verify all figures against manufacturer spec sheets before committing hardware.

Notes on Accuracy

Estimates use published, approximate data rates (decimal GB, 1 GB = 1000 MB). Verify against manufacturer spec sheets for critical planning.