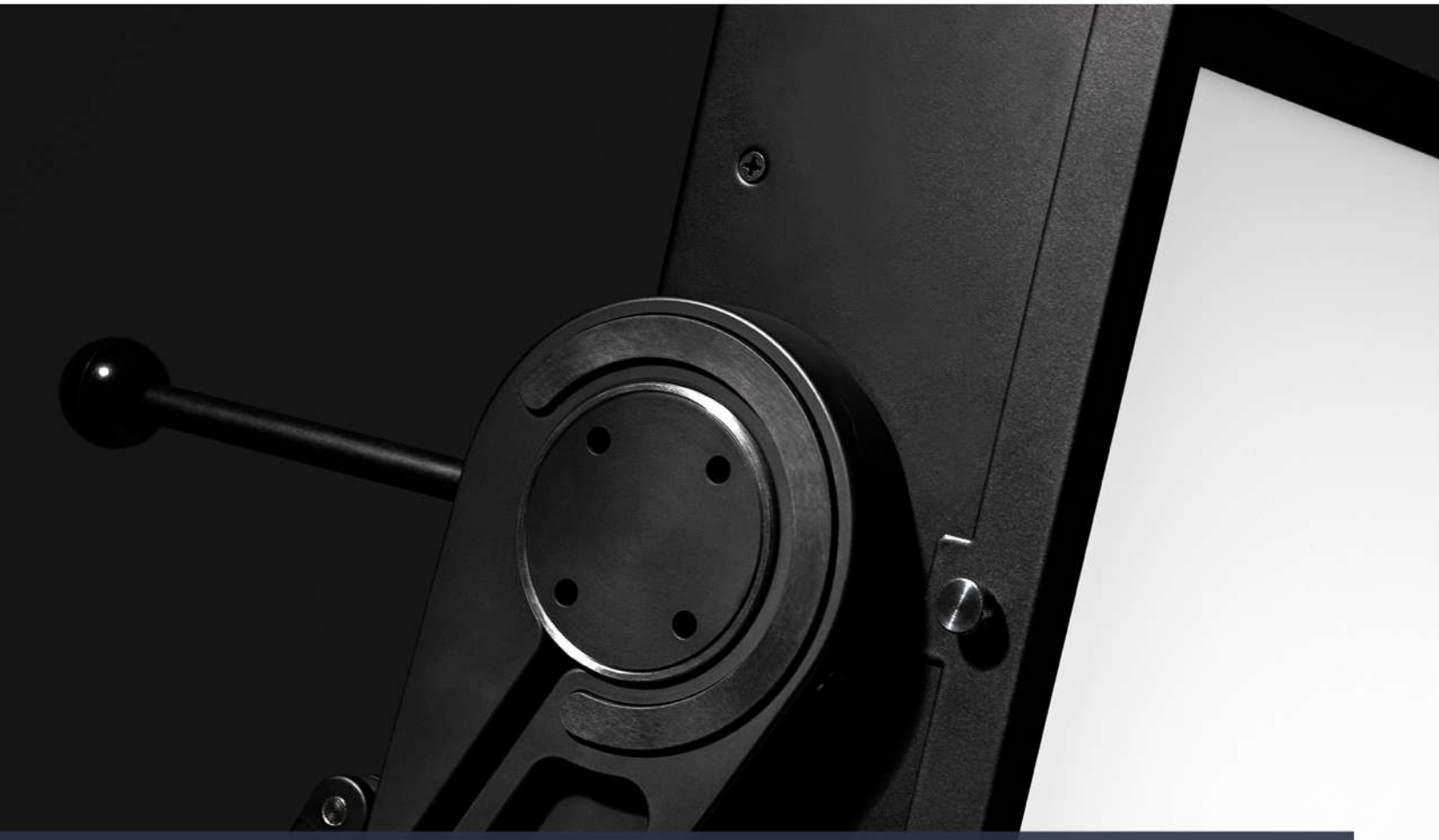
DT HERITAGE



The DT Stellar

ADVANCED LIGHTING FOR HERITAGE IMAGING

DT Stellar from behind

INTRODUCING THE

The DT Stellar

Advanced Lighting for Heritage Imaging

Digital Transitions is pleased to announce its groundbreaking new line of heritage digitization lighting systems – the DT Stellar!

Newly designed from the ground up, the DT Stellar raises the already-high bar DT set for color quality, productivity, material safety, ergonomics, durability, and modularity for those running FADGI or ISO compliant digitization programs. And with our new DT Nexus software you can (among many advanced features) control the Stellar right from your computer.

Lighting Built for Heritage

- 10-Stops of Light
- Control to .01 of a Stop
- Unrivaled Color Accuracy
- Improved Ergonomics
- Programable Light Control
- DT Fusion Ready
- Reflective or Transmissive
- Conservation Safe No UV or Heat
- Built-in Power Adapter & Simplified Cabling
- Modular Design Daisychain Unlimited Lights

Stable, Easy, & Built for High Volume

The DT Stellar is designed for high-volume workflows. It is color-stable less than 10 seconds after powering on, and the sophisticated active cooling system ensures consistent color temperature and brightness regardless of how long a Stellar is running.

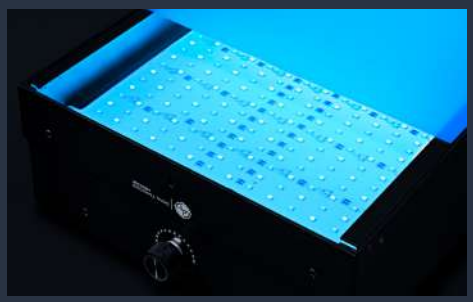
Every DT Stellar is self-contained for added flexibility and mobility, and controlled directly on the unit or from computer. The power adapter is built in, greatly simplifying the cabling and operation of your system.

Unmatched Light Quality & Color Accuracy

MORE CONSISTENT, MORE ACCURATE

The DT Stellar provides the highest-quality, most-consistent illumination available on the market for both reflective and transmissive materials. A custom LED panel is the heart of the Stellar, achieving 98 CRI-14, 98 CQS, 98 TM-30-18-Rf with a smooth, spike-free spectrum that is free of harmful UV radiation. And for simplicity, DT includes bespoke ICC profiles with the Stellar for all cameras DT sells, providing FADGI and ISO-compliant color quality out of the box.

DT FUSION - INSTANTLY BETTER COLOR



The DT Stellar includes DT Fusion which halves the color error by eliminating your camera's "blind spots" and increasing its native response from 3-channels to 6-channels instantly and automatically. Whether you're digitizing a million 35mm slides, a special collection of rare books, or a priceless Monet, the DT Stellar with Fusion provides the highest quality color capture you'll find.

BLUE MODE FOR SHARPER MONOCHROME TRANSMISSIVE IMAGES

The DT Stellar's specialized Sapphire Mode is made for capturing monochrome film with a monochrome camera. This technique, pioneered by Tom Rieger at the Library of Congress, and further validated in research done by JP Westenskow at the Center for Creative Photography significantly increases the sharpness of film captures at very high ppi.

The DT Ecosystem

DT has always taken a holistic view of the digitization process. From our hardware's form and function to our custom software and lighting features, our goal has always been to create a fully integrated workflow solution where the whole is greater than the sum of its parts.

Hardware

- Autocolumn
- DPI
- Image size
- Cropping

Software

- Easy color profiling
- Color profile validation
- AI Cropping
- DT Nexus

Camera

- Capture
- Focus
- Exposure
- Raw settings

Lighting

- Light control
- Create & control light groups
- Adjust up to 1/100 of a stop
- DT Fusion

Improve Your **Productivity**

DT Nexus

DT Nexus software provides full control of the DT Stellar lighting system directly from the capture station, but offers much, much more, including color profiling, color profile validation, and control over the camera, DT Autocolumn, and RAW settings. Plus, not only can each light have its power individually adjusted in increments as small as 1/100th of a stop, you can create groups of lights to be easily adjusted together.

For users or situations where computer control isn't desirable, most DT Stellar settings can be controlled from the simple single-knob color encoder on each Stellar.

DT nexus

Full Computer Control:

- Control Stellar lights
- Create & control groups of lights
- Easy Color profiling
- Color profile validation
- AI Cropping
- Control Camera
- Control Autocolumn
- Control RAW settings


PHASEONE

Made to Be **Modular**

Reflective or Transmissive

Every Stellar can be used for either reflective material or transmissive material. For reflective material each Stellar is 48cm (19″) long, which is appropriate for smaller stations like the DT Atom.

DT Gemini – Twin Lights

For larger stations like the DT Element, DT Versa, or DT Titan, the DT Gemini kit combines two Stellars into a single 96cm (38″). The Gemini bracket also centers the weight of the lights over the stand and pivots the lighting up or down without changing its balance or distance to the subject, adding significant ergonomic improvement.

Even Larger Configurations

For even larger stations such as a wall mount or easel being used for large paintings, banks of DT Stellars can be custom configured in any grid pattern. Every Stellar unit has 200 x 100 VESA mounting points for myriad mounting arrangements . An unlimited number of Stellars can be connected via ethernet with the built in daisy chain port. This allows any Stellar to control the settings of the entire lighting configuration.

This modularity, along with the durability of construction, makes the DT Stellar a solid long-term investment.

New **Features**

Unrivaled Color Accuracy

Control right from Your Computer

Easily Adjust Individual Lights or Custom Groups

Adjustments up to 1/100th of a stop

Reflective or Transmissive Material

Consistent Color & Brightness, No Matter How Long it Runs

Built-in Standards Validation

Designed & Built in the USA for Quality & Durability

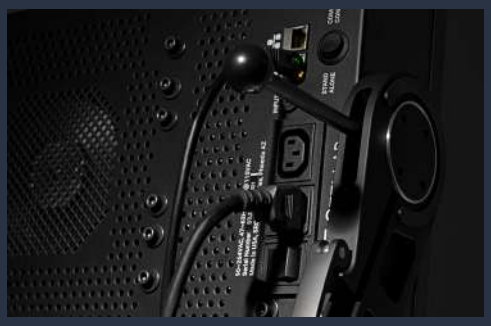
Safe & Built to Last

MATERIAL SAFETY

The DT Stellar is designed for maximum safety of the valuable and fragile material being digitized at museums, libraries, and archives. It contains no meaningful UV radiation, which can fade or otherwise damage material. The temperature of the DT Stellar is carefully controlled which means that in addition to being completely safe for reflective material, it's also safe to place your transmissive material directly on the DT Stellar when using it as a lightbox.

ERGONOMICS

Designed with the operator in mind, DT Stellar can be set to dim between captures and reduce eye strain. With the optional hood, light spill is corrected and prevents further eye fatigue for the operator.



DURABILITY

The DT Stellar is designed and built in the USA to industrial-grade standards, with each component selected for quality and durability. While the world has become accustomed to consumer goods that last a year or two, museums, libraries, and archives need lighting that will last decades. That's why every DT Stellar comes with a three-year parts/labor warranty.

Specifications

Longevity	
Construction:	Metal
Origin:	Made in the USA
Expected bulb life:	25,000 hours

Color Quality	
Color Rendering Index (CRI)	98
CRI-14, CQS-Qa, TM-30-18-Rf	98
Color Quality Score (CQS-Qa)	98
Color Quality Score (CQS-Qg)	100
Colour Fidelity Index (TM-30-18-Rf)	98
Colour Fidelity Index (TM-30-18-Rg)	100
Color temperature:	5600 K
Color Profile:	Included in Capture One or DT Nexus
Color Spectrum:	Smooth, spike free

Color Illumination	
Light Modes:	White, Blue, Fusion
Reflective materials	Yes
Transmissive materials	Yes
Transmissive Narrow Band	Yes
Lux / EV for single DT Stellar	3540
EV	10.5
Exposure @ 1m:	ISO 100, f/8 @ 1/30

Control	
Manual Control:	Unit dial / Capture Station
Light Increments:	1/3, 1/24, 1/100 stop
Daisy Chain Power:	4
Daisy chain control	∞
Voltage:	90-264VAC
Frequency:	47 - 63Hz
Input (amps at what voltage):	MAX 3.5A@115v
Watts:	300w
Weight (for single light):	9 lbs
Weight (for Gemini double light)	18 lbs
Physical Dimensions(for single unit):	19.25" x 10.125" x 4.125"
Physical Dimensions(for double unit):	39.25" x 10.125" x 4.125"
Dimension for illumination area:	17.875" x 8.875"
Mounting	Atom 5/8” pin, Vesa 100 x 200, Gemini Bracket