

OpticVyu 24MP Time-lapse Construction Camera

Data Sheet

Camera Case & Mounting

Exterior Dimensions	335 * 260 * 220 mm (L x W x H)
Interior Dimensions	300 * 200 * 200 mm (L x W x H)
Box Material	Polypropylene alloy
IP Rating	IP 65
Waterproof	Yes
Front Lens Material	3mm Clear Glass
Net Weight with Parts	~3kg
Camera Lens	18-55mm or 10-20mm lens
Camera Resolution	24MP DSLR
Compatible With	Canon D1500
Camera Viewing Angle	78-108°
Mounting	Wall mount/ Pole mount
Working Temperature	-30 to 55 Degrees Celsius

Battery

Capacity	18Ah
Battery Type	LIFEPO4 TECHNOLOGY
Warranty	5 Years
Weight	1.8 KG
Cycle Life	2000 Life Cycles
Maximum Discharge Current	18A
Battery Life	10 Years
Battery Voltage	12.8V

Solar Panel

Wattage	50-75W
Operating(Nominal) Voltage	12V
Solar Panel Dimensions	43 x 66.5 x 3.5 Centimeters
Solar Panel Type	Monocrystalline
Frame Material	Aluminum
Warranty	1 Year
Weight in Kg	3 Kg



OpticVyu Construction Camera: Features Description

Time interval

The default image capturing interval is 20Min.

Time Lapse Video

Every day, OpticVyu servers automatically create the updated time-lapse videos for each camera. Just login to <https://secure.opticvyu.com/login> & click on Time-lapse tab to play to latest time-lapse video. Type of time-lapse available with OpticVyu: <https://bit.ly/time-lapse-types>

Custom Time Lapsing

User can schedule a time-lapse for their choice by choosing the date/time range, video speed, quality & some advanced customization options. OpticVyu AI-based advanced time-lapse customization options help you remove undesirable images, stabilize the video, increase video sharpness using frame blending & increase video smoothing levels by introducing intra-frame transitions.

AI Image Detection For Manpower & Construction Vehicle

All the captured images are automatically processed for AI based detection of construction workers & vehicle. Line graphs & heatmaps help users to see the statistics of detection & can be used for reconciliation purposes.

Reports

Create a instant progress report by comparing 2 images for better documentation. Reports can be instantly downloaded, shared, or scheduled. User can also create detailed reports with multiple images selected from various cameras. OpticVyu's inbuilt image markup library gives plenty of tools for highlighting an issue with minimal effort.

In-built Wi-fi

OpticVyu cameras will be operated through SIM-based internet & charges for the same will be borne by OpticVyu.

Image comparison

Compare images captured at different instances to identify the actual work progress. OpticVyu interactive comparison tool allows users to compare images side by side thereby showcasing the absolute difference in the construction at a given location.

Image Markup, Sharing & Favorites

Any image can be annotated using markup tools & shared within the team or customers. The "Favorite" option allows the user to mark a few images as important for future reference.

Auto E-mail

Receiver's Email ID and Email time can be preconfigured to receive timely email alarms. Quick access to daily images keeps busy users in touch with project activities without putting in any extra effort.

Project Timeline

Quickly check the construction progress using the project's timeline reel showing one image per day for the complete project duration.

Weather info.

Get the weather info. at your project site.

Multiple Camera Viewing via Split Screen

Users can check all the cameras installed for a given project in a split-screen view.

Multiple Projects/Camera Handling

Any user can access multiple projects & their cameras using single login credentials.

Add Unlimited Users / User management portal

Users are categorized as Superadmin, Admin, or normal users. Users' types & privileges > <https://bit.ly/OV-users>
Unlimited users can be added to access the camera feeds. Superadmin can control the access of other users.

Mobile Application (Android & IOS)

Access construction cameras from anywhere through any device. You may download the android or ios app from the play store or app store respectively.

Mobile Photo Synchronization

Capture site photos/videos from mobile phone and upload to OpticVyu portal using OpticVyu mobile application.

Open Access (For Public Feeds) (Optional)

OpticVyu offers a platform to remotely monitor numerous construction projects on an Open-access portal thereby creating transparency in construction projects and allowing the customers/stakeholders/common man to check the project progress.

Camera Off Notifications

Get email alerts if the camera goes off for more than 2 hours.

Image Data storage

Images once uploaded are archived in chronological order on our cloud-based server & kept in storage till project completion. Users can use the calendar-based image selection tool to fetch archived images for the chosen date.

Features demo, Sample time-lapse/images: <https://www.opticvyu.com/opticvyu-demo>

Presentation: <https://bit.ly/opticvyu-ppt>

Portfolio: <https://bit.ly/opticvyu-portfolio>

