



INTENSIVE CARE UNIT MONITORING

Disaster Relief – COVID-19 Temporary Rooms

WORKING IN ICU ENVIRONMENT

Personal and Patient Safety

- Fast and easy deployment limiting patient room access
- Two-way voice communication
- Night vision

Solution Considerations

- No access to facility network infrastructure required
- Scalability: needs could range from a few rooms to hundreds
- Limited space necessary
- Rapid deployment

Dell Solution

- 5-minute RAPID DEVELOPMENT
- Live video
- Two-way audio
- Night vision
- Self-contained, secured wireless network
- Small footprint
- No construction needed

PATIENT SURGE CAN OVERWHELM ICUs

With the surge of COVID-19 patients, Intensive Care Units are overflowing. As a solution, medical facilities are converting patient care rooms for COVID intensive care patients. The Army Corp of Engineers and FEMA are actively working with Hotels and Colleges to convert facilities to accommodate needs as COVID-19 surges through communities.

VISUAL MONITORING/PATIENT SAFETY

These converted rooms do not have the monitors of a typical ICU. Additionally, these rooms are fitted to be negative pressure airflow. As such, the doors must remain closed. The patients in these enclosed rooms are non-monitored; meaning there is no alerting to the nursing staff beyond going into the room.

Patients placed in an ICU can rapidly deteriorate. Visual monitoring allows the staff to be constantly aware of the patient's state and respond to a rapid deterioration or other patient needs in an immediate fashion.

SOLUTION: RAPIDLY DEPLOYED VIDEO MONITORING

Our rapid deployment solution uses wireless cameras capable of 1080 resolution, two-way invoice, night vision and using AC power. These cameras communicate with a self-contained wireless network. Centralized video monitoring is through a small form factor station and large screen monitor at a location determined best by staff.

This solution is a rapidly deployable solution. Using small form factor cameras built for the healthcare environment, with proper planning, in-room deployment will be as little as 5 minutes mitigating safety concerns for patients and deployment personnel. Centralized monitoring station is configured within 1 hour.

For smaller deployments (20 beds or less) Dell access points use temporary mounting in strategic locations, AC power and 'mesh' technologies to communicate to the centralized monitoring station. Wireless is pre-configured with HIPAA compliant security for patient privacy. There is no need to run a cabled infrastructure.

Larger deployments may require additional networking infrastructure and should be evaluated by a professional service representative prior to design and deployment.

Contact us today to discuss our mission-focused solutions at:

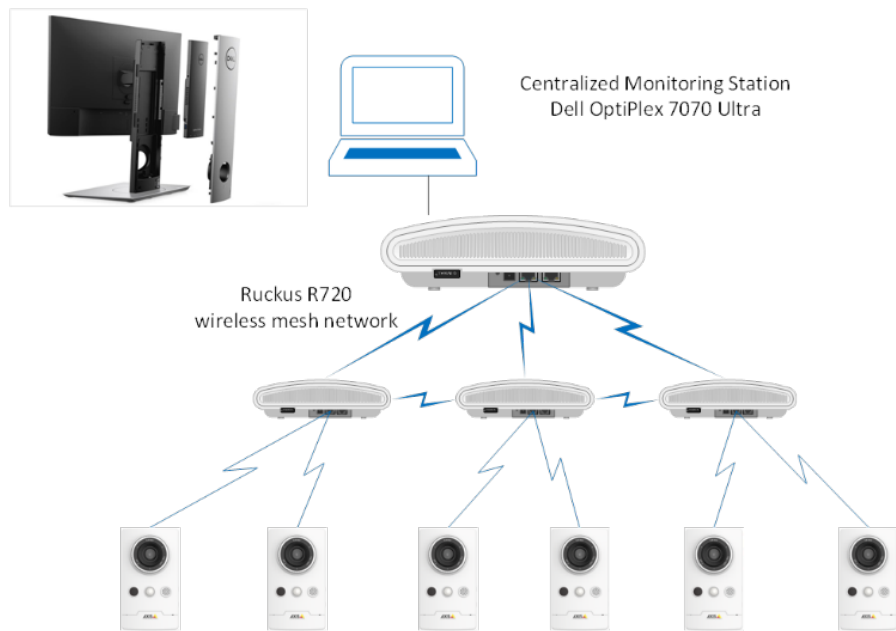
RAPID DEPLOYMENT NETWORK INFRASTRUCTURE

The Dell Rapid Deployment Monitoring Solution comes preconfigured with access points, cameras, monitoring software and monitoring station. This solution is scaled to meet your immediate needs and can be converted to a more permanent solution and move locations if necessary.

Using best of class Ruckus access points, we deploy a self-contained and secured wireless network. There is no need to involve IT staff, nor is there any construction necessary.

Access points wirelessly connect to each other creating a self-healing and load balanced network to help ensure connectivity.

In-room cameras are easily mounted onto various surfaces using varying methods for fast easy deployment in minutes.



In-Room video cameras AXIS M1065-LW connected to WiFi Network. Secured using DPSK

SOLUTION PROVIDED BY:



IDtec.com

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