



## Key Features

- 700TVL 1/3" Super HAD CCD sensor
- Wide angle 2.8mm lens over 80° FOV
- Heavy-gauge stainless steel housing
- Tamper-proof security screws
- Internal camera positioning system
- Ideal for prisons, elevators, and wide area monitoring
- User defined DNR, HLC, BLC, AWB, etc. via OSD
- 12VDC power for easy installation
- No grip design makes it impossible to hang from
- Rated from -20°C to +50°C to suit moderate climates
- OSD controls located on power/video cable
- Sense-Up for extreme low light conditions

## Overview

### High-Resolution 700TVL

The CM-700-28 is powered by a high resolution 1/3" Super HAD CCD sensor. This top-grade camera engine produces 700TVL resolution with accurate color reproduction. It has excellent sensitivity to both IR and visible light spectrums making it a true day/night camera that offers superb color by day and clean, crisp monochrome images by night. This powerful imager is also intelligent and adjusts to changing light conditions. All of these features, in tandem with its image enhancements such as Sense-Up, HLC, and ATR, make it an industry leader in both features and performance.

### Dynamic and Versatile

The CM-700-28 mounts perfectly in virtually any corner and has a no-grip design making it impossible to hang from. It is designed to provide maximum security for applications such as prison cells, elevators, and psychiatric hospitals. The housing consists of a two part design, a steel base and a stainless steel removable front plate. The front plate has high impact optically pure polycarbonate viewing window to protect the camera from even the most brutal assaults.

### On Screen Display (OSD) Camera Setup

This camera comes packed with some of our most popular features. They are all controlled through the OSD programming, which allows you to program every aspect of the camera. Highlight Compensation (HLC) recognizes bright light and reduces overexposure by suppressing and masking the sources (such as headlights and street lights). Auto Tone Reduction (ATR) improves the visibility of the entire picture by providing the optimum gradation compensation. This analyzes the image and optimizes it to ensure accurate color reproduction and contrast.

### Sense-Up

The VRD series incorporates Sense-Up, also known as DSS, an image processing technology that greatly enhances the camera's ability to see in low light. Sense-Up enhances existing light to produce color images. With Sense-Up enabled this camera can produce color images in light as low as 0.32 lux. If an environment contains less than 0.32 lux an IR option should be considered. The CM also incorporates Digital Noise Reduction (DNR) which eliminates sensor noise and noise caused by Sense-up for clean, crisp images and a reduction in file size.



# ASCENDENT

## Corner Mount Camera CM-700-28

Specifications subject to change at any time

### Optical Assembly

Image Sensor	1/3 " Super HAD CCD
Resolution	700TVL
Lens	2.8mm
Minimum Illumination (Sense-Up)	Color 0.32 Lux (0 Lux IR activated)
Signal to noise ratio	50dB (AGC off)
Shutter Speed	Auto: 1/50 - 1/10,000 SEC
Video Out	700TVL
Filter	Mechanical IR Cut Filter (Photocell Controlled)

### Physical

Construction	Heavy-gauge stainless steel housing
Viewing Window	Optically pure polycarbonate
Standard Color	Stainless Steel
Dimensions	80mm x 80mm x 95mm
Weight	0.58kg

### Installation

OSD	HCL, BLC, AWB, ACE, PIP, TBL, DNR 2, mirror, flip, privacy, brightness, freeze, sharpness, Sense-Up, day/night
Configuration	User defined area and intensity for image enhancements
Hardware	Three security screws included

### Environmental

Operational Temperature	-20°C to +50°C
Environmental	IP 65

### Electrical

Input Voltage	12 Volt DC
Power Consumption	350 mA

### Available Options

Recording (X4S DVR)	Records video and allows IP connectivity
Video Analytics	Virtual fence, object classification, trip wire, abandoned object, etc