



Hikvision DS-2DE5232W-AE

· Specification summary



Device class	2 MP 32x network PTZ speed dome
Image sensor	1/2.8-inch progressive-scan CMOS optical format; not a measured sensor diagonal.
Maximum image resolution	1920 × 1080 pixels, manufacturer 2 MP class. This does not assign that resolution to every stream or output mode.
Low-light conditions	Colour 0.005 lux and black-and-white 0.001 lux at F1.6 with AGC on. No zero-light or built-in IR distance is established by this row. Not a field identification guarantee.
Shutter-time range	1 s to 1/30,000 s. Exposure affects motion and low-light results.
Day and night filter	An IR cut filter is listed. This alone is not proof of an IR illuminator, illumination range or a permanent-colour mode.
Optical zoom and lens	32x optical zoom with a 4.8–153 mm lens. Optical zoom is separate from digital enlargement.
Digital zoom	16x digital zoom. It does not multiply the optical-zoom specification into a new optical rating.
Aperture range	F1.2–F4.4. Lens aperture changes with zoom; do not assume a constant aperture over the full range.
Focus modes	Auto, semi-auto and manual focus are listed.
Optical zoom time	Approximately 5.6 s from optical wide to tele; not a guaranteed field response time.
Wide-to-tele field of view	Horizontal 55.6°–2.04°, vertical 32.4°–1.14°, diagonal 63°–2.34°, from wide to tele. Not the analog dome field-of-view values.
Minimum working distance	10–1500 mm, wide to tele, is listed as the minimum-working-distance reference. It is not a target-identification distance.
Image enhancement	HLC, BLC, 3D DNR, defog, EIS, regional exposure and regional focus are listed.
Privacy masks	24 programmable privacy masks are listed. Confirm actual masking and PTZ operation.
Pan movement	360° endless pan is listed. Confirm mounting and cable arrangements.
Tilt movement	Tilt -5° to +90°. No auto-flip feature is inferred from the analog model.
Pan speeds	Manual pan 0.1–250°/s; preset pan 300°/s. Keep manual and preset limits separate.

Tilt speeds	Manual tilt 0.1–150°/s; preset tilt 200°/s. Keep manual and preset limits separate.
Preset positions	300 preset positions are listed. Do not transfer a different dome model count.
Proportional zoom reference	Proportional zoom is listed. This is not automatic target tracking.
Power-off memory	Power-off memory is listed. It does not provide uninterrupted operation during an outage.
Patrol reference	Eight patrols, with up to 32 presets per patrol.
Pattern reference	Four pattern scans; the source describes recording time over 10 minutes for each scan. Confirm the exact duration limit; no unlimited duration is inferred.
Park and scheduled actions	Preset, pattern, patrol, auto/tilt/random/frame/panorama scans are listed as park actions. Scheduled actions additionally list dome reboot, dome adjust and auxiliary output; confirm the required workflow.
Preset freezing	Preset freezing is listed; confirm display and recorder behaviour.
Video compression	Main stream: H.265+, H.265, H.264+ or H.264. Sub and third streams: H.265, H.264 or MJPEG. Confirm recorder and client support.
Video bitrate	32–16,384 kbps configurable reference. It does not establish a fixed retention duration or internet requirement.
Sub-stream frame rates	30 fps at 704 × 480, 640 × 480 or 352 × 240.
Third-stream frame rates	30 fps at 1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480 or 352 × 240.
ROI reference	Main, sub and third streams each support four fixed ROI areas. ROI is not an additional independent video stream.
Audio compression	G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2 and PCM are listed. Confirm actual audio settings and client support.
Card storage reference	MicroSD/SDHC/SDXC storage up to 256 GB is listed. Card supply, compatibility, filesystem, recording mode and retention need confirmation.
Network interface	One 10/100 Mbps RJ45 Ethernet port. Confirm the network and power arrangement.
API reference	The source names ONVIF, CGI and Hikvision SDK. No specific ONVIF profile, certification, ISAPI entitlement or universal recorder compatibility is inferred.
Live-view reference	Up to 20 live-view channels are listed. These are viewing sessions, not additional camera sensors or recorder inputs.
User accounts	Up to 32 users, with administrator, operator and user levels. Separate from the live-view-session limit.
Event reference	The source lists motion, alarm, tampering and exception events, with intrusion, line crossing, region enter/exit, object removal and unattended baggage detection. Configure and test camera, recorder and client together.
Recording recovery reference	ANR and dual-VCA are listed. Compatible card, recorder, firmware and recording settings require confirmation; not proof of cloud storage or an active ISD service.

Audio connections	One audio input and one audio output are listed. A built-in microphone or speaker is not inferred from another model.
Alarm connections	Two alarm inputs and one alarm output are listed. Electrical contact ratings are not inferred.
Power reference	24 V AC, maximum 22 W, or Hi-PoE is listed. Hi-PoE is not an unconditional IEEE 802.3af/at compatibility claim; confirm the required injector and cable arrangement.
Operating conditions	-30 to +65 °C, humidity at most 90%, non-condensing. Confirm the actual site and enclosure conditions.
Protection reference	IP66 and IK10 are listed, with TVS 6000 V lightning, surge and voltage-transient protection references. These are not guarantees against every site exposure.
Body dimensions	Diameter 220 mm × height 280 mm, matching the table and whole drawing. Do not substitute the analog model height or 156 mm inner-dome diameter.
Weight reference	Approximately 3 kg (6.61 lb). No packaged shipping or assembled-mount weight is inferred.
Mounting selection	The source marks mounting accessories as not included. CMP-JB and PMP-JB require JBPW-L; CPMPE requires CPM-S or CPM-L. Confirm the complete assembly; not an ISD installation service.

Specifications are summarised from the manufacturer's published information (checked 2026-10-20). They describe the cited version only. Confirm the exact model, suffix and supplied revision before ordering. ISD confirms supply, price, availability and warranty separately.

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