

Doktor Jons – 'TRUSTED'® CCTV Camera Assessment - C1 - Part A

Evaluation 1 / 2 - Date ___/___/___ Lighting Conditions _____ Camera No: _____

This form is specifically designed to provide a simple straightforward way to evaluate how well a CCTV camera is performing, in relation to fulfilling the requirements for TRUSTED® status - in other words, can it effectively be used for identifying targets (e.g. individuals, faces, vehicle number plates etc.) within a key defined "recognition zone", producing usable evidential quality video recordings?

To help you complete the form, it should be read alongside the guidance notes on document C1(N).

Section 1 - PICTURE QUALITY

This part of the assessment will require the camera's image to be presented on a reasonable quality well set up monitor - it should be mentioned that where an inferior quality display is being used, this may well underplay the actual camera's performance, usually with regard to displayed resolution and colour quality.

If there is any doubt as to the quality of the monitor, further guidance should be sought, or alternatively, the evaluation should be carried out using a very good quality reference monitor. If the camera is remotely controllable, it should be set to give a fixed view of its normally 'parked' position.

| | Indicate with a tick | | | | |
|---|----------------------|--------|------|------|------|
| | Excellent | V.Good | Good | Fair | Poor |
| Look carefully at the displayed picture; then indicate how you would describe:- | | | | | |
| 1.1 - The detail in the overall image - how sharp is it throughout the view ? | | | | | |
| 1.2 - The detail in the key 'recognition' zone - how sharply defined are any targets? | | | | | |
| 1.3 - The colour quality in the overall image (especially red, blue and green targets)* *(if using a Black and White monitor, then ignore this question) | | | | | |
| 1.4 - Considering the overall appearance of the image, what is the contrast like? | | | | | |
| 1.5 - In relation to the key 'recognition zone', describe the overall exposure level | | | | | |
| 1.6 - In general terms, how stable is the overall picture on the monitor? | | | | | |

| | Now considering the issue of interference in the picture; how you would describe:- | | | | |
|---|--|--------|---------|--------|------|
| | Awful | V.Poor | Obvious | Slight | None |
| 1.7 - To what extent is the picture affected by any 'tearing' in the image? | | | | | |
| 1.8 - Noise will normally appear as "sparkling" in the picture - how obvious is it? | | | | | |
| 1.9 - To what extent are any vertical white lines or bars present in the image? | | | | | |
| 1.10 - To what degree are horizontal dark bars seen moving from top to bottom? | | | | | |
| 1.11 - Can you identify any dark mesh effect across the entire screen? | | | | | |
| 1.12 - Is there any instability in the overall 'exposure' of the picture? | | | | | |
| 1.13 - Can you see any obvious changes / drifting in the displayed colours? | | | | | |
| 1.14 - Is there any obvious 'flaring' around bright light points in the picture? | | | | | |
| 1.15 - Is there any ghosting, or secondary image being displayed? | | | | | |

Section 2 - TARGET SIZE

The following sections will relate to how a target (e.g. person, face, or vehicle number plate) is displayed on screen. First off, we need to consider how large the target is within the defined 'recognition zone'. Remember this could be the entire image, or a selective part where the camera has been optimized to provide precise recognition.

| | With a defined target in the 'recognition zone', please indicate the approximate target size, in relation to the screen dimensions:- | | | | |
|---|--|--------|--------|--------|------|
| | 80-100% | 60-80% | 40-60% | 20-40% | <20% |
| 2.1 - At the point nearest to the camera, what % height is the target on screen | | | | | |
| 2.2 - At the furthest point in the zone, what % height is the target on screen | | | | | |
| 2.3 - What % of the edges of the picture is taken up by vertical areas (e.g. walls) | | | | | |
| 2.4 - What % of the picture is taken up by horizontal areas (e.g. ceilings / roof) | | | | | |
| 2.5 - Roughly what percentage of the recognition zone is obscured by fixtures | | | | | |

PLEASE NOTE: This particular TRUSTED® assessment is designed for general CCTV systems, and is not really intended for large systems or technically complex installations like Town Centre camera schemes. The camera assessment should be carried out under all operating conditions that are appropriate (e.g. day only - use one C1 form per camera, day and night coverage - use two separate C1 forms). It should be realized that this is designed to provide a reasonable indication of CCTV Camera performance for Incident Monitoring and Evidential Recording only; it specifically does not take account of Site Management or Deterrence roles.