

Doktor Jons – 'TRUSTED' © CCTV Camera Assessment Evaluation Score Sheet - Document C1(R)

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

This document 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 gauge your completed C1 form, simply compare the answers against those scores listed below:-

Section 1 - PICTURE QUALITY

	Excellent	V.Good	Good	Fair	Poor	CAMERA SCORE	PASS / FAIL
1.1 - The detail in the overall image -	10	8	5	3	0		
1.2 - The detail in the key 'recognition' zone -	10	8	5	3	0		
1.3 - The colour quality in the overall image (if using a B&W monitor, do not answer this question)	10	8	5	3	0		
1.4 - How good is the contrast / brightness	10	8	5	3	0		
1.5 - Describe the overall exposure level	10	8	5	3	0		
1.6 - How stable is the picture on the monitor	10	8	5	3	0		

Section 1A - **TOTAL SCORE** _____

(Indicate the average score for this section)

Add together the scores of 1.1 - 1.6 then divide by 6 [by 5 if B/W] = #1 Section 1A - **AVERAGE SCORE** _____

#1 Section 1A - FAIL if '**AVERAGE SCORE**' is less than 7.5 points -

	Awful	V.Poor	Obvious	Slight	None		
1.7 - Is there any 'tearing' or break up in the image	0	2	4	6	10		
1.8 - How obvious is any Noise in the picture	0	2	4	6	10		
1.9 - Are vertical white lines or bars present in the image	0	2	4	6	10		
1.10 - Are horizontal dark bars seen moving from top to bottom	0	2	4	6	10		
1.11 - Can you identify a dark mesh across the entire screen	0	2	4	6	10		
1.12 - Any instability in the overall 'exposure' of the picture	0	2	4	6	10		
1.13 - Can you see any changes in the displayed colours	0	2	4	6	10		
1.14 - Is there any 'flaring' around bright light points	0	2	4	6	10		
1.15 - Is there any ghosting, or secondary image visible	0	2	4	6	10		

Section 1B - **TOTAL SCORE** _____

Add together the scores of 1.7 - 1.15 then divide by 9 =

#2 Section 1B - **AVERAGE SCORE** _____

#2 Section 1B - FAIL if '**AVERAGE SCORE**' is less than 7 points -

Section 2 - TARGET SIZE

	80-100%	60-80%	40-60%	20-40%	<20%		
2.1 - At nearest point what % height is the target on screen	10	7	5	3	0		
2.2 - At furthest point what % height is the target on screen	10	7	5	3	0		
	30+%	20-29%	11-19%	5-10%	<4%		
2.3 - What % of picture edges is taken up by vertical areas	0	3	5	7	10		
2.4 - What % of the picture is taken up by horizontal areas	0	3	5	7	10		
2.5 - What percentage of the recognition zone is obscured	0	3	5	7	10		

Section 2 - **TOTAL SCORE** _____

Add together the scores of 2.1 - 2.5 then divide by 5 =

#3 Section 2 - **AVERAGE SCORE** _____

#3 Section 2 - FAIL if '**AVERAGE SCORE**' is less than 7 points

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The individual scores will hopefully indicate specific problems at a 'macro' level, however by analysing the average scores for specific sections, this will generally highlight areas that may well need urgent attention.

RESULTS ANALYSIS - Section 1

Part A of Section 1 relates specifically to general image quality.

- 0 - 5 Points - **FAIL** - The system is performing at a level which is unacceptable. It is in need of serious improvement.
- 5.1 - 6 Points - **FAIL** - With some remedial work, it could be brought up to an acceptable standard
- 6.1- 6.9 Points - **FAIL** - Although generally in working order, the score suggest that further improvements are required
- 7.0- 8.5 Points - **PASS** - The CCTV camera is working to an acceptable degree, although further minor improvements may well be necessary to get the very best out of the equipment.
- 8.6 - 10 Points - **PASS** - Overall a very good result, with only minor opportunities for improving the picture

Part B of Section 1, addresses possible technical problems that may need to be checked by a maintenance engineer.

- 0 - 5 Points - **FAIL** - There are serious technical problems with the camera and / or transmission system.
- 5.1 - 6 Points - **FAIL** - This score would tend to indicate one or two issues that could be addressed.
- 6.1- 6.9 Points - **FAIL** - Technical failings are probably minor in nature, and should be improved at minimal cost.
- 7.0- 8.5 Points - **PASS** - The CCTV camera is fine overall, but may still present an opportunity for improvement.
- 8.6 - 10 Points - **PASS** - Possible minor technical issues should not provide any cause for concern.

RESULTS ANALYSIS - Section 2

- 0 - 6.9 Points - **FAIL** - Targets are not being reproduced on screen in an adequate size.
The Camera / Lens combination and camera location will need to be carefully reconsidered, and improved
- 7.0- 8.5 Points - **PASS** - The CCTV camera is fine overall, but may still present an opportunity for improvement.
- 8.6 - 10 Points - **PASS** - Possible minor opportunities to further improve target display.

RESULTS ANALYSIS - Section 3

- 0 - 6.9 Points - **FAIL** - Targets are not being reproduced on screen in an ideal way.
The Camera / Lens combination and camera location will need to be carefully reconsidered, and improved.
- 7.0- 8.5 Points - **PASS** - The CCTV camera is fine overall, but may still present an opportunity for improvement.
- 8.6 - 10 Points - **PASS** - Possible minor opportunities to further improve target display.

RESULTS ANALYSIS - Section 4

- 0 - 5.9 Points - **FAIL** - Targets are not being presented on screen for a long enough period.
The Camera / Lens combination and camera location will need to be carefully reconsidered, and improved.
- 6.0- 10 Points - **PASS** - The CCTV camera is working well overall, but there may be opportunities to reposition the unit to achieve still better results.

FINAL ANALYSIS -

In order for a camera to be 'TRUSTED' for Detection and Evidential use, it must **PASS** in **all** the sections. If you add together the average scores for the four sections, then divide the sum by four, that will provide an overall average figure for the camera being evaluated, and should give some indication of performance.

- 0 - 6.9 Points - **FAIL** - The cameras overall performance is below that required for 'TRUSTED' status.
- 7.0- 8.5 Points - **PASS** - The CCTV camera is working well overall, with a limited scope for further improvement.
- 8.6- 10 Points - **PASS** - The CCTV camera is performing extremely well, with only limited potential for 'fine tuning'.

If you need any further information or wish to comment , or offer any feedback and suggestions to help future development of the 'TRUSTED'© project, please contact *Doktor Jon* - email to:- info@doktorjon.co.uk

PLEASE NOTE: *Doktor Jon* has provided these evaluation documents in good faith, and does not accept responsibility for the accuracy or suitability for any users individual situation. Likewise no responsibility will be accepted for any consequential loss or disadvantage resulting from their use.

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AREAS of CONCERN (specifically, those components that failed the evaluation).

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ACTION REQUIRED (Steps to be taken to remedy failures, and estimated timescale).

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COMMENTS

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Alternatively, you can discuss TRUSTED© on Doktor Jons Forum - <http://www.doktorjonsforum.co.uk>**

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