



**MINISTRY OF INDUSTRIES, MINES AND ENERGY
PROCUREMENT MANAGEMENT UNIT (PMU)**

**Request for Sealed Quotations for
Camera for core photographs with stand and
lightning**

Procurement Reference No: G/RFQ/15-51/25/26

COMPANY NAME: _____

TOTAL BID PRICE: _____

BID PRICE IN WORDS: _____

CLOSING DATE AND TIME OF BID REQUEST:

DATE: 08 December 2025

TIME: 10H00

Procurement Management Unit
Ministry of Industries, Mines and Energy
Head Office
6 Aviation Road
Windhoek Namibia

Tel: +264 61 284 8111 / 8235 / 8358

Fax: +264 61 235 632

Email: ProcurementManagement@mme.gov.na

Website: www.mme.gov.na

**NB!! PLEASE ATTEND COMPULSORY SITE VISIT ON ANY OF THE FOLLOWING DATE & TIMES:
THURSDAY, 04 DECEMBER 10:00 AND 14:30
(FAILURE TO ATTEND THE SITE MEETING WILL LEAD TO AN AUTOMATIC DISQUALIFICATION)**



REPUBLIC OF NAMIBIA

REPUBLIC OF NAMIBIA
MINISTRY OF INDUSTRIES, MINES AND ENERGY

Tel.: +264 61 284-8111
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E-mail: info@mime.gov.na
Website: www.mime.gov.na

6 Aviation Road
Private Bag
13297
WINDHOEK

Letter of Invitation

To:

Procurement Reference Number: G/RFQ/15-51/25/26

28 November 2025

Dear Sir/Madam,

**REQUEST FOR SEALED QUOTATIONS FOR CAMERA FOR CORE PHOTOGRAPHS
WITH STAND AND LIGHTNING**

The Ministry of Industries, Mines and Energy invites you to submit your best quote for the items described in detail hereunder.

Any resulting contract shall be subject to the terms and conditions referred to in the document.

Queries, if any, should be addressed to ProcurementManagement@mime.gov.na.

Please prepare and submit your quotation in accordance with the instructions given or inform the undersigned if you will not be submitting a quotation.

Yours faithfully,


Head of Procurement Management Unit:
Mr. Nathaniel Musenge

SECTION I: INSTRUCTIONS TO BIDDERS

1. Rights of Public Entity

The **Ministry of Industries, Mines and Energy** reserves the right:

- (a) to split the contract as per the lowest evaluated cost per item, or
- (b) to accept or reject any quotation and to cancel the quotation process; and
- (c) reject all quotations at any time prior to contract award.

2. Preparation of Quotations

You are requested to quote for the items mentioned in Section III, by completing, signing and returning:

- (a) the Quotation Letter in Section II with its annex for Bid Securing Declaration, where applicable;
- (b) the List of Goods and Price Schedule in Section III;
- (c) the Specifications and Compliance Sheet in Section V; and
- (d) any other attachment as deemed appropriate.

You are advised to carefully read the complete Request for Quotations document, including the Contract Data Sheet in Section VII, before preparing your quotation. The standard forms in this document may be retyped for completion but the Bidder is responsible for their accurate reproduction.

3. Validity of Quotations

The quotation validity period shall be for **30 days** from the date of submission deadline.

4. Eligibility Criteria

To be eligible to participate in this Quotation exercise, you should:

- a) have a **valid certified copy** company Registration Certificate; **Certified by Namibian Police.**
- b) have an **original/certified copy** of a valid good Standing Tax Certificate; **Certified by Namibian Police**
- c) have an **original/certified copy** of a valid good Standing Social Security Certificate; **Certified by Namibian Police**
- d) have a **valid certified copy** of Affirmative Action Compliance Certificate, proof from Employment Equity Commissioner that bidder is not a relevant employer, or exemption issued in terms of Section 42 of the Affirmative Action Act, 1998; **Certified by Namibian Police.**
- e) Complete and sign an **undertaking on the part of the Bidder** that the salaries and wages payable to its personnel in respect of this proposal are compliant to the relevant laws, Remuneration Order, and Award,

where applicable and that it will abide to sub-clause 4.6 of the General conditions of Contract if it is awarded the contract or part thereof.

- f) Complete and submit signed **Bid-securing Declaration**.
- g) All pages of the bidding documents should be initialled where possible.
- h) **NB!! PLEASE ATTEND COMPULSORY SITE VISIT ON ANY OF THE FOLLOWING DATE & TIMES:
THURSDAY, 04 DECEMBER 10:00 AND 14:30
(FAILURE TO ATTEND THE SITE MEETING WILL LEAD TO AN AUTOMATIC DISQUALIFICATION)**

5. Bid Security/Bid Securing Declaration

Bidders are required to *subscribe to* a Bid Securing Declaration for this procurement process.

6. Delivery

Delivery shall be 14 working days after acceptance/issue of Purchase Order. Deviation in delivery period *shall not be accepted*

- 1.1. The following tests and inspections will be conducted on the goods at delivery:

7. Sealing and Marking of Quotations

Quotations should be sealed in a single envelope, clearly marked with the Procurement Reference Number, addressed to the Ministry of Industries, Mines and Energy with the Bidder's name and contact information at the back of the envelope.

8. Submission of Quotations

Quotations should be deposited in the Quotation/Bid Box located at 6 Aviation Road, Ground Floor, Block F1, not later than **08 December 2025 at 10h00**. Quotations by post or hand delivered should reach 6 Aviation Road by the same date and time at latest. Late quotations will be rejected.

Quotations received by e-mail will not be considered.

9. Opening of Quotations

Quotations will be opened internally by the Ministry of Industries, Mines and Energy immediately after the closing time referred to in instruction 8 above. A record of the Quotation Opening stating the name of the bidders, the amount quoted, the presence or absence of a Bid Security/Bid Securing Declaration, will be provided on Bidder's request within three working days of the Opening.

10. Evaluation of Quotations

The Public Entity shall have the right to request for clarifications in writing during evaluation. Offers that are substantially responsive shall be

compared on the basis of price, mark-up (%) and delivery period of goods, subject to Margin of Preference where applicable, to determine the lowest evaluated quotation.

11. Technical Compliance

Bidders shall submit along with their quotations documents, catalogues and any other literature to substantiate compliance with the required specifications and to qualify deviations if any with respect to Ministry of Industries, Mines and Energy's requirements.

The Specifications, Performance Requirements and Compliance Sheet details the minimum specifications of the goods/items to be supplied. The specifications have to be met but no credit will be given for exceeding the specifications.

12. Prices and Currency of Payment

Prices shall be fixed in Namibia Dollars.

13. Margin of Preference

- (a) The applicable margins of preference and their application methodology are as follows: The Margin of Preference is applicable to this request for this Bid is: **Preference will only be granted to bidders as per Government notice No.13 in terms of the code of good practice issued on 31 January 2023 in terms of section 71 and 72 of the Public Procurement Act, 2015 and Public Procurement Act, 2015 as amended.** The maximum cumulative allowable margin of preference applicable to exclusive preferences for price evaluation purposes is **10%**. Kindly see the table below.

Margins of preferences when evaluating bids for Exclusive Preference

Category	Margin of preference	Documentary evidence
Manufacturer	2 percent	-Certificate of registration from a registering authority -Declaration by the bidder that the manufactured goods meet the local content as determined in Annexure 6 as per the cost structure for Value Added Calculation in Annexure 1, and as certified by an Accountant
MSME	1 percent	-SME registration certificate -Declaration indicating the percentage of Namibian MSME ownership
Women owned enterprise	1 percent	- IDs of all shareholders -Founding statement/company registration indicating ownership structure/shareholder

		certificate - declaration indicating the percentage of Namibian female ownership
Youth owned enterprise	2 percent	- IDs of all shareholders - Founding statement/company registration indicating ownership structure/shareholder certificate - declaration indicating the percentage of Namibian youth ownership
PDP owned enterprise	2 percent	-IDs of all shareholders - Founding statement/company registration indicating ownership structure/shareholder certificates - declaration indicating the percentage of Namibian PDPs ownership
Supplier promoting environmental protection	1 percent	-declaration and proof that the bidder meets the requirements set out in the bidding document
Service rendered by Namibian citizens.	1 percent	-declaration that the bidder employs 50% or more Namibian citizens
Total	10%	

- (b) Bidders applying for the Margin of Preference shall submit, **upon request**, evidence of: **Applicable Exclusive Preference**.

14. Award of Contract

The Bidder having submitted the lowest evaluated responsive quotation and qualified to supply the goods/items and related services shall be selected for award of contract. Award of contract shall be by issue of a Purchase Order/Letter of Acceptance in accordance with terms and conditions contained in Section VI: Contract Agreement and General Conditions of Contract.

15. Notification of Award and Debriefing

The Ministry of Industries, Mines and Energy shall after award of contract inform all unsuccessful bidders (on request) in writing of the name and address of the successful bidder and the contract amount. Furthermore, the Ministry of Industries, Mines and Energy shall attend to all requests for debriefing made in writing within seven (7) days of the unsuccessful bidders being informed of the award.

SECTION II: QUOTATION LETTER

(To be completed by Bidders)

[Complete this form with all the requested details and submit it as the first page of your quotation with the Price list and documents requested above. A signature and authorisation on this form will confirm that the terms and conditions of the RFQ prevail over any attachments. **If your quotation is not authorised, it will be rejected.**]

Quotation addressed to: [name of Public Entity]	
Procurement Reference Number:	
Subject matter of Procurement:	

We offer to supply the items listed in the attached List of Goods and Price Schedule as per the defined specifications, *except for the qualified deviations [Bidder may delete this phrase in case of no deviation]* and, in accordance with the terms and conditions stated in your Request for Quotations referenced above.

We confirm that we are eligible to participate in this Quotation exercise and meet the eligibility criteria specified in Section 1: Instruction to Bidders.

We undertake to abide ethical conduct during the procurement process and the execution of any resulting contract.

We have read and understood the content of the Bid Securing Declaration (BSD) attached hereto and subscribe fully to the terms and conditions contained therein. We further understand that this subscription could lead to *[forfeiture of the security amount / disqualification on the grounds mentioned in the BD]*.

The validity period of the Quotation is _____ days *[insert number of days]* from the date of the bid submission deadline.

We confirm that the prices quoted in the List of Goods and Price Schedule are fixed and firm and will not be subject to revision or variation, if we are awarded the contract **prior to the expiry** date of the quotation validity.

The delivery period offered from the date of issue of Purchaser Order/ Letter of Acceptance is as shown in the List of Goods items and Price Schedule.

Quotation Authorised by:

Name of Bidder		Company's Address and seal	
Contact Person			
Name of Person Authorising the Quotation:		Position:	Signature:
Date		Phone No./Fax	

[This form is to be deleted if Bid Securing Declaration is not applicable.] **Appendix to Quotation Letter**

**BID SECURING DECLARATION
(Section 45 of Act)
(Regulation 37(1)(b) and 37(5))**

Date:

Procurement Ref No.:

To:

I/We* understand that in terms of section 45 of the Act a public entity must include in the bidding document the requirement for a declaration as an alternative form of bid security.

I/We* accept that under section 45 of the Act, I/we* may be suspended or disqualified in the event of

- (a) a modification or withdrawal of a bid after the deadline for submission of bids during the period of validity;
- (b) refusal by a bidder to accept a correction of an error appearing on the face of a bid;
- (c) failure to sign a procurement contract in accordance with the terms and conditions set forth in the bidding document, should I/We* be successful bidder; or
- (d) failure to provide security for the performance of the procurement contract if required to do so by the bidding document.

I/We* understand this bid securing declaration ceases to be valid if I am/We are* not the successful Bidder

Signed:
[insert signature of person whose name and capacity are shown]

Capacity of:
[indicate legal capacity of person(s) signing the Bid Securing Declaration]

Name:
[insert complete name of person signing the Bid Securing Declaration]

Duly authorized to sign the bid for and on behalf of: [insert complete name of Bidder]

Dated on _____ day of _____, _____
[insert date of signing]

Corporate Seal (where appropriate)

[Note*: In case of a joint venture, the bid securing declaration must be in the name of all partners to the joint venture that submits the bid.]

***delete if not applicable / appropriate**



Republic Of Namibia

Ministry of Labour, Industrial Relations and Employment Creation

Witten undertaking in terms of section 138 of the Labour Act, 2015 and section 50(2)(D) of the Public Procurement Act, 2015

1. EMPLOYERS DETAILS

Company Trade Name:.....

Registration Number :.....

Vat Number:

Industry/Sector:

Place of Business:.....

Physical Address:.....

Tell No.:.....

Fax No.:.....

Email Address:.....

Postal Address:.....

Full name of Owner/Accounting Officer:.....

.....

Email Address:.....

2. PROCUREMENT DETAILS

Procurement Reference No.:

Procurement Description:

.....

.....

Anticipated Contract Duration:

Location where work will be done, good/services will be delivered:

.....

3. UNDERTAKING

I [Insert full name],
owner/representative

of[insert full name of company]

hereby undertake in writing that my company will at all relevant times comply fully with the relevant provisions of the Labour Act and the Terms and Conditions of Collective Agreements as applicable.

I am fully aware that failure to abide to such shall lead to the action as stipulated in section 138 of the labour Act, 2007, which include but not limited to the cancellation of the contract/licence/grant/permit or concession.

Signature:

Date:

Seal:.....

Please take note:

1. A labour inspector may conduct unannounced inspections to assess the level of compliance
2. This undertaking must be displayed at the workplace where it will be readily accessible and visible by the employees rendering service(s) in relations to the goods and services being procured under this contract.

SECTION III: LIST OF GOODS AND PRICE SCHEDULE
QUOTATION FOR: CAMERA FOR CORE PHOTOGRAPHS WITH STAND AND LIGHTNING

PROCUREMENT Ref No: G/RFQ/15-51/25/26

INSTRUCTIONS TO THE PUBLIC ENTITY				INSTRUCTIONS TO BIDDERS				
At time of preparation of the RFQ, Columns A to D shall be filled in by the Public Entity.				Bidders shall fill-in columns E - I and fill the total E= mark with a *if an equivalent is quoted F= Rate per unit G=Total price for one item (C x F) • If an equivalent is quoted, please attach to your quote appropriate technical information & specification • Bidders shall fill in and sign the bottom section of this page				
A	B	C	D	E	F	G	H	I
Item no.	Description of Goods	Quantity required	Unit of measures	*	Price per unit NAD ¹	Total price without VAT NAD	VAT: NAD	Delivery weeks) (days/month
1.	Camera – EOS 90D Canon	1	Each					
2.	Steel Welded stands	2	Each					
	Kindly find attached Annexure A for detailed specifications				TOTAL			
NAME:				POSITION:		SIGNATURE		DATE
NAME OF BIDDER:				ADDRESS:				

1. If Price quoted is subject to change in rate of exchange at the time of delivery of goods provide details hereunder:

Currency : Exchange Rate:

If no base rate of exchange is given, the price shall be treated as firm in Namibian Dollars for all intent and purpose.

Keynote: **NA**=NOT APPLICABLE, **NQ**=NO QUOTE

SECTION IV: SPECIFICATIONS AND PERFORMANCE REQUIREMENTS

SECTION V: SPECIFICATIONS AND COMPLIANCE SHEET

Procurement Reference Number: **G/RFQ/15-51/25/26**

[Bidders should complete columns C and D with the specification of the goods offered. Also state "comply" or "not comply" and give details of any non-compliance/deviation to the specification required. Attach detailed technical literature if required. Authorise the specification offered]

Item No	Technical Specification Required	Compliance of Specification Offered	Details of Non-Compliance/ Deviation (if applicable)
A*	B*	C	D
1	SEE SECTION III		

Specifications and Compliance Sheet Authorised By:

Name:		Signature:	
Position:		Date:	
Authorised for and on behalf of:		Company	

SECTION VI: GENERAL CONDITIONS OF CONTRACT AND CONTRACT AGREEMENT

Any resulting contract shall be placed by means of a Purchase Order/Letter of Acceptance and shall be subject to the General Conditions of Contract (GCC) for the Procurement of Goods - Ref. **G/RFQ/15-51/25/26** on the website of the Ministry of Industries, Mines and Energy (www.mme.gov.na) except where modified by the Special Conditions below.

SECTION VI: CONTRACT AGREEMENT

Any resulting contract shall be placed by means of a Purchase Order/Letter of Acceptance and shall be subject to the General Conditions of Contract (GCC) for the Procurement of Goods except where modified by the Special Conditions below.

SECTION VIII: SPECIAL CONDITIONS OF CONTRACT

Procurement Reference Number: **G/RFQ/15-51/25/26**

The clause numbers given in the first column correspond to the relevant clause number of the GCC.

Clause	Contract Data
GCC 1.1 Effectiveness of Contract	The Contract shall come into effect as from receipt of Purchase order/Award letter .
GCC 1.3.1 Intended Completion date	Unless terminated earlier pursuant to sub-clause GCC 1.7 of the Contract, the Service Provider shall complete its activities by
GCC 1.6.1 Issue of notices	<p>The Authorized Representative of the Employer is : Mr. Nathaniel Musenge</p> <p>The Authorized Representative of the Service Provider is: _____</p>
GCC 2.6 Insurance and liabilities to Third Party	The amount of the Professional Indemnity Insurance Cover shall be at least: N/A
GCC 2.7 Reporting Obligations	The Service Provider shall report to: Mr. Nathaniel Musenge Head of Procurement Management Unit, 6 Aviation Road , Windhoek

GCC 2.10 Performance Security	The Performance Security shall be for an amount [5 to 10 %] of the Contract Price or part thereof if the contract is awarded on a split basis. N/A
GCC 4.2 Contract Price	The amount payable is: Attached on quotation
GCC 4.3 Terms of Payment	Payments will be made to the Service Provider once off 30 days after receipt of invoice.
GCC 4.5 Price Adjustment	Prices shall not be adjustable.

SCHEDULE 3

QUOTATION CHECKLIST SCHEDULE

Procurement Reference No.: G/RFQ/15-51/25/26

Description	Attached	Not Attached
Quotation Letter		
Priced Activity Schedule		
Performance Compliance Sheet		
Original Good Standing Tax Certificate		
Original Good Standing Social Security Certificate		
Certified copy of Affirmative Action Certificate or proof of Employment Equity		
Signed Bid Securing Declaration		
Signed undertaking in terms of labour act		
Copy of company registration certificate		

Disclaimer: The list defined above is meant to assist the Bidder in submitting the relevant documents and shall not be a ground for the bidder to justify its non-submission of major documents for its quotation to be responsive. The onus remains on the Bidder to ascertain that it has submitted all the documents that have been requested and are needed for its submission to be complete and responsive.

ANNEXURE A

Procurement Reference Number: [G/RFQ/15-51/25/26](#)

Tender Specification: 2x Welded Stand for Core Photography

1. Purpose

The welded stand is intended for use at the Ministry of Mines and Energy geological coreshed in Windhoek and Tsumeb for photographing drill core trays. It should provide a stable, user-friendly, and durable platform suitable for routine core photography.

2. General Description

The stand shall be a **metal welded frame** structure designed to securely hold a camera above core trays, providing a consistent height and angle for standardized photographic documentation of drill cores.

3. Technical Specifications

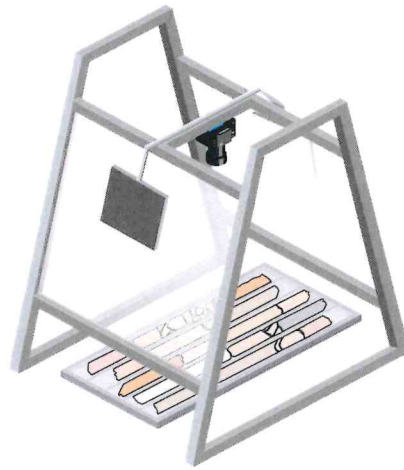
Component	Specification
Frame Material	Mild steel or stainless steel tubing welded construction with corrosion-resistant finish.
Dimensions	Approx. 1.8 m (height) x 1.2 m (width) x 0.6 m (depth). Must accommodate standard core trays (e.g., 1.0–1.2 m long).
Camera Mount	Adjustable horizontal arm with a secure camera mounting bracket (standard ¼" thread compatible with DSLR or mirrorless cameras). Adjustable height and tilt preferred.
Core Tray Platform	Flat base or tray-support frame to hold core boxes securely. Must be non-reflective and easy to clean. Option for height adjustment is an advantage.
Lighting Support	Provision for mounting LED lighting on both sides or above the camera (optional but preferred).
Height Adjustment	Manual adjustable height mechanism (minimum adjustment range: 1.2–1.8 m from tray to camera mount).

Component	Specification
Portability	Fitted with lockable caster wheels for mobility (optional) or rubber-capped feet for stability.
Load Capacity	Must safely support camera equipment up to 5 kg.
Finish	Powder-coated matte black or grey for durability and to minimize light reflection during photography.
Assembly	Fully welded or partially welded modular construction, allowing easy transport and assembly on-site.
Safety & Stability	Stand must be rigid and stable with no wobbling or vibration during camera operation.

4. Additional Requirements

- Supplier to **design stand with project manager** from the Ministry of Mines and Energy.
 - Supplier to provide **technical drawings or sketches** of the proposed stand design which needs to be approved.
 - Supplier to specify **material type, welding method, and surface finish**.
 - Supplier to provide **warranty period** (minimum 12 months).
 - Supplier to include **delivery and installation** at Windhoek coreshed.
 - **Inspection and acceptance** will be based on conformance to the specifications and workmanship quality.
-

Examples:



EOS 90D



SHOOT FROM ANY ANGLE

The EOS 90D is a powerful, fully equipped interchangeable lens camera providing you with everything you need at your fingertips to advance your photography and video skills. The EOS 90D shoots a fast 10 frames per second continuous shooting with full auto focus tracking. Paired with the 3" vari-angle LCD touch screen, the EOS 90D allows you to get creative and photograph your subject from any angle. The camera also comes equipped with a 32.5 MP APS-C CMOS sensor and the ability to shoot 4K 30p and Full HD 120p movies.



Quick upload and share

With integrated Wi-Fi and Bluetooth connectivity, you can share the images from your EOS 90D to your smart device quickly and easily with the Canon Camera Connect App. A constant connection between the EOS 90D and your smartphone can be maintained via Bluetooth® connectivity, letting you view your photographs without taking the camera from your bag. Connection to the app also enables you to remotely shoot from your smart device- so you can ensure you're squeezing everyone in to those group shots.



Canon

EOS 90D

32.5 MEGA
PIXELS

CMOS

TTL: 34.4 MP

Shoot your world with a brilliant 32.5 megapixel Canon CMOS sensor. The latest sensor provides stunning clarity and the freedom to crop in



Fast, powerful and innovative, Canon's advanced DIGIC 8 imaging processor commands cutting-edge technologies to deliver stunning quality, fast performance and intuitive operation



**Wi-Fi
Bluetooth®**

With built in Wi-Fi, it's easy to share your images to your favourite social media platforms. You can also shoot remotely via your smartphone or tablet using the Canon Camera Connect App

220,000
PIXEL

**RGB+IR Metering
sensor**

The 220,000-pixel RGB+IR metering sensor measures both visible light and invisible infra-red light, giving accurate exposures

Cross-type
Max. **45** -point
AF

For pin-point focusing or wide-area tracking, the 45 all cross type AF points are individually selectable or grouped into areas, giving you greater control over composition regardless of where your subject is in the frame

Dual Pixel
CMOS **AF**

Dual Pixel CMOS AF delivers fast and smooth AF as well as exceptional tracking performance when shooting in Live View and movie mode

ISO
☑ **25600**
📺 **12800**

Designed to shoot in varying light conditions, the camera has a native ISO 100-25,600 range, expandable to ISO 51,200 and the AF system will continue to work even under moonlight (-3EV)



**In-Camera
RAW processing**

Convert images from RAW to JPEG in camera with the ability to change white balance or picture style settings. Multiple images can be converted in a batch for convenience

Up to
11

**Frames
Per Sec**

The EOS 90D delivers high-speed continuous shooting at up to 11 frames per second so you can be confident in catching fast moving action

Approx.
100%

Viewfinder

The Intelligent Viewfinder with approx 100% coverage lets photographers shoot and change settings whilst looking through the viewfinder so you won't need to take your eyes off the action



**EOS Movie
4K+ FULL HD**

Whether you're creating a travel vlog or cinematic-style movie, the EOS 90D offers total flexibility with 4K 30p and Full HD 120p shooting



Vari angle LCD

Find new angles high or low with the 3.0" Vari-angle Clear View LCD II screen. Touch screen interface makes it easy and intuitive to change settings, select focus points and review images

Canon

Technical Specifications

EOS 90D

IMAGE SENSOR Type Effective Pixels Total Pixels Aspect Ratio Sensor Cleaning Colour Filter Type	APS-C CMOS Approx. 32.5 megapixels Approx. 34.4 megapixels 3:2 EOS integrated cleaning system Primary Colour
IMAGE PROCESSOR Type	DIGIC 8
LENS Lens Mount Focal Length	EF/EF-S Equivalent to 1.6x the focal length of the lens
FOCUSING Live View Shooting Viewfinder Shooting AF System/ Points AF working range AF Modes AF area (live shooting) AF Lock AF Assist Beam AF Microadjustment Manual Focus	Dual Pixel CMOS AF TTL secondary image-registration, phase-difference detection with the dedicated AF sensor 45 cross-type AF points EV -3 - 18 (at 23° C & ISO100) Spot AF 1-Point AF Zone AF Large Zone AF Face Priority AF AI Focus One Shot AI Servo Movie Servo AF Continuous AF Eye Detection AF Horizontal: approx. 88%, Vertical: approx. 100% Locked when shutter button is pressed half way Intermittent firing of built-in flash or emitted by optional dedicated Speedlite Adjust all lenses by same amount Adjust by lens Selected on lens
EXPOSURE CONTROL Metering modes Metering Range AE Lock Exposure Compensation AEB ISO Sensitivity (8)	<u>Viewfinder shooting:</u> Approx 220,000 pixels RGB+IR metering sensor 216-zone (18x12) TTL full-aperture metering <u>Live View shooting and Movie recording:</u> 384-zone metering with image sensor EV 1-20 (optical viewfinder) EV -2 - 20 (Live View) EV 0 - 20 (Movie recording) Auto: In One-shot AF mode with evaluative metering exposure is locked when focus is achieved. Manual: By AE lock button in P, TV, AV and M mode. +/-5 EV in 1/3 or 1/2 stop increments (viewfinder) +/-3 EV in 1/3 or 1/2 stop increments (Live View/ Movie) +/-3 EV 1/3 or 1/2 stop increments Auto (100-12800min / 100-25600 max) in 1-stop increments. Manual (100-25600) in 1/3-stop increments, expanded to 51200 equivalent. Minimum limit may change depending on the lens
SHUTTER Type Speed	Vertical-travel mechanical focal-plane shutter, electronically controlled at all speeds Creative Zone: 1/16000 - 30 sec, bulb Basic Zone: 1/8000 - 1 sec Available range varies by shooting mode
WHITE BALANCE Type Settings Custom White Balance WB Bracketing	Auto white balance with the imaging sensor AWB (Ambience priority, White priority), Daylight, Shade, Cloudy, Tungsten light, White Fluorescent light, Flash, Custom, Colour Temperature Setting. White balance compensation: 1. Blue/Amber +/-9. Magenta/ Green +/-9 Yes, 1 setting can be registered +/-3 levels in single level increments
VIEWFINDER Type Coverage (Vertical/Horizontal) Magnification Eyepoint Dioptre Correction Focusing Screen Mirror Viewfinder Information Depth of field preview Eyepiece shutter	Pentaprism Approx. 100% Approx. 0.95x (4) Approx. 22mm (from eyepiece lens centre) -3 to +1 m-1 (dioptre) Fixed Quick-return half mirror AF information: AF points, focus confirmation, AF area selection mode Exposure information: Shutter speed, aperture value, ISO speed (always displayed), AE lock, exposure level/compensation, spot metering circle, exposure warning, AEB. Flash information: Flash ready, high-speed sync, FE lock, flash exposure compensation, red-eye reduction light. Image information: Card information, maximum burst (2 digit display), Highlight tone priority (D+). Composition information: Grid, Electronic level, Aspect Ratio Other information: Battery check, Alert symbol, Flicker Detection Yes, with Depth of Field preview button. None. Eyepiece cover attached to strap
LCD MONITOR Type Coverage Viewing Angle (horizontally/vertically) Coating Brightness Adjustment Touch Screen Operations	Touch screen vari angle 7.7cm (3.0") 3:2 Clear View II TFT, approx. 1040K dots Approx. 100% Approx. 170° Anti smudge Adjustable to one of seven levels Touch Shutter Touchscreen sensitivity Beep
FLASH Type Guide number Flash coverage Flash exposure compensation Built-in Flash recycle time Modes Colour temperature Red eye reduction FE lock flash metering Flash sync speed Slow synchro External Flash Compatibility E-TTL II flash metering	Manual pop-up retractable flash in the pentaprism housing Approx 12/39.4 (ISO100 m/feet) Approx. 17mm focal length/angle of view +/- 3 stops in 1/3 or 1/2 stop increments. It is available using either built-in flash on the side of the camera or an external flash unit. Approx. 3 seconds Auto, Manual flash, Integrated Speedlite Transmitter Equivalent to daylight Using the red eye reduction lamp Supported Max 1/250 sec 1/250 - 30 sec (auto) 1/250 - 1/60 sec (auto) 1/250 sec (fixed) EL/EX series Speedlites supported Evaluative (Face Priority) Evaluative Average

Technical Specifications

EOS 90D

SHOOTING	
Modes	Scene Intelligent Auto (Still and Movie), SCN (Portrait, Group Photo, Landscape, Close-up, Sports, Night Portrait, Handheld Night Scene, HDR Backlight Control, Food, Kids, Candlelight, Panning), HDR movies, Creative filters, Program AE, Shutter priority AE, Aperture priority AE, Manual (Still and Movie), Bulb, Custom
Picture Styles	Auto, Standard, Portrait, Landscape, Fine Detail, Neutral, Faithful, Monochrome, User Defined (x3)
Colour Space	Selectable between sRGB and Adobe RGB
Image Processing	Highlight Tone Priority (Disable/Enable/Enhanced) Auto Lighting Optimizer (4 settings) Long exposure noise reduction High ISO speed noise reduction (4 settings) Multi Shot Noise Reduction Auto Correction of Lens Peripheral illumination and Chromatic aberration correction Diffraction correction Digital Lens Optimizer Creative filters (Grainy B/W, Soft focus, Fish-eye effect, Water painting effect, Toy camera effect, Miniature effect, HDR x 4) RAW image processing (Brightness adjustment, White balance, Picture Style, ALO, High ISO speed NR, image quality, Colour space, Lens aberration correction.)
Drive modes	Single, Continuous L, Continuous H, Continuous Shooting Panning, Silent Single Shooting, Self timer (2s+remote, 10s +remote, Continuous)
Continuous Shooting	One shot: Max approx. 10 fps (viewfinder) / 11 fps (live view) Servo: Max approx. 10 fps (viewfinder) / 11 fps (live view)
LIVE VIEW MODE	
Type	Electronic viewfinder with image sensor
Coverage	Approx. 100%
Frame Rate	30 fps
Focusing	Manual Focus (Magnify the image 5x or 10x at any point on screen)Autofocus: Dual Pixel CMOS AF (Face detection and Tracking AF, FlexiZone-Multi, FlexiZone-Single), Tracking sensitivity (-3 to +3) and Movie Servo AF Speed (-7 to +2)
Metering	Real-time evaluative metering with image sensor. Evaluative metering, partial metering, spot metering, center-weighted average metering.
Display Options	Basic, Detailed, On-screen buttons, Histogram, Electronic level
FILE TYPE	
Still Image Type	JPEG: (Exif 2.31 compliant) RAW: RAW (14bit, Canon original RAW CR3), RAW/C-Raw and JPEG simultaneous image recording quality is supported.
RAW+JPEG simultaneous recording	
Image Size	JPEG 3:2: (L) 6960 x 4640, (M) 4800 x 3200, (S1) 3472 x 2320, (S2) 2400 x 1600, (RAW/CRAW) 6960 x 4640 JPEG 4:3: (L) 6160 x 4640, (M) 4256x3200, (S1) 3072x2320, (S2) 2112x1600, (RAW/CRAW) 6960 x 4640 JPEG 16:9: (L) 6960x3904, (M) 4800x2688, (S1) 3472x1952, (S2) 2400x1344, (RAW/CRAW) 6960 x 4640 JPEG 1:1: (L) 4646x4646, (M) 3200x3200, (S1) 2320x2320, (S2) 1600x1600, (RAW/CRAW) 6960 x 4640
Movie Type	MP4 MPEG-4 AVC/H.264 (variable averaged bit rate) Audio: AAC/Linea PCM
Movie Size	4K (3840 x 2160) Uncropped/Cropped 29.97 fps Full HD (1920 x 1080) 119.88 fps HD (1280 x 720) 59.94 fps HDR (1920 x 1080) 29.97 fps
Movie Length	Max duration 29min 59sec, Max file size 4GB (If file size exceeds 4GB a new file will be created automatically)

OTHER FEATURES	
Custom Functions	29 Custom Functions
Water / Dust resistance	Yes
Playback zoom	1.5x - 10x
Histogram	Brightness: Yes RGB: Yes
Image Erase/Protection	Erase: Single image, All images in folder, All images on card Protection: 6 options
Menu Languages	29 Languages English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Czech, Hungarian, Vietnamese, Hindi, Romanian, Ukrainian, Turkish, Arabic, Thai, Simplified Chinese, Traditional Chinese, Korean, Malay, Indonesian and Japanese
Firmware Update	Update possible by the user.

Technical Specifications

EOS 90D

INTERFACE	
Computer	Hi-Speed USB
Other	Video output (PAL/ NTSC) (integrated with USB terminal), HDMI mini output (Type C only, CEC not supported), External microphone (3.5mm Stereo mini jack), Headphone socket (Stereo mini jack)
DIRECT PRINT	
Canon Printers	Canon Compact Photo Printers and PIXMA Printers supporting PictBridge
PictBridge	Yes
STORAGE	
Type	SD, SDHC or SDXC (UHS-II) card
SUPPORTED OPERATING SYSTEMS	
PC & Macintosh	Windows 10 / 8.1 / 8 / 7(*)* With Microsoft .NET Framework 4.5 is installed. Mac OS X 10.9, 10.10, 10.11
SOFTWARE	
Image Processing	Digital Photo Professional 4.4.0 (RAW Image Processing)
Other	EOS Utility Canon Camera Connect App

POWER SOURCE	
Batteries	Rechargeable Li-ion Battery LP-E6N (supplied)
Battery life	Approx. 1860 (at 23° C)- Not including battery packs
Battery Indicator	6 levels + percentage
Power saving	Power turns off after 30 sec, 1, 2, 4, 8, 15min
Power Supply & Battery Chargers	AC Adapter AC-E6(N), DC coupler: DR-E6, Battery charger LC-E6/LC-E6E
ACCESSORIES	
Viewfinder	Eyecup Eb, E-series Dioptic Adjustment Lens, Eyepiece Extender EP-EX15, Angle Finder C
Wireless File Transmitter	Built in Wi-Fi transmission GPS Receiver GP-E2, Wireless remote BR-E1, Remote Controller RC-6, Remote Switch RS-60E3, Timer Remote Controller TC-80N3, Remote Controller Adapter RA-E3
Lenses	All EF and EF-S lenses
Flash	ST-E2, ST-E3-RT, EL-100, 270EX II, 430EX III RT/ 430 EX III, 470EX-AI, 600EX II-RT, Macro Ring Lite MR-14EX II, Macro Twin Lite MT-26EX-RT
Battery	Battery Park LP-E6N Battery Charger LC-E6 or LC-E6E Car Battery Cable CB-570 Care Battery Charger CBC-E6 Grip: BG-E14 Hand Strap E2 Battery Magazine BGM-E14L / BGM-E14A
Other	
PHYSICAL SPECIFICATIONS	
Body Materials	Aluminum alloy and polycarbonate resin with glass fibre
Operating Environment	0 – 40 ° C, 85% or less humidity
Dimensions (WxHxD)	140.7 x 104.8 x 76.8mm
Weight (body only)	Approx. 701g (CIPA testing standard, including battery and memory card)

All data is based on Canon standard testing methods (according to CIPA Standards) except where indicated.

Subject to change without notice.