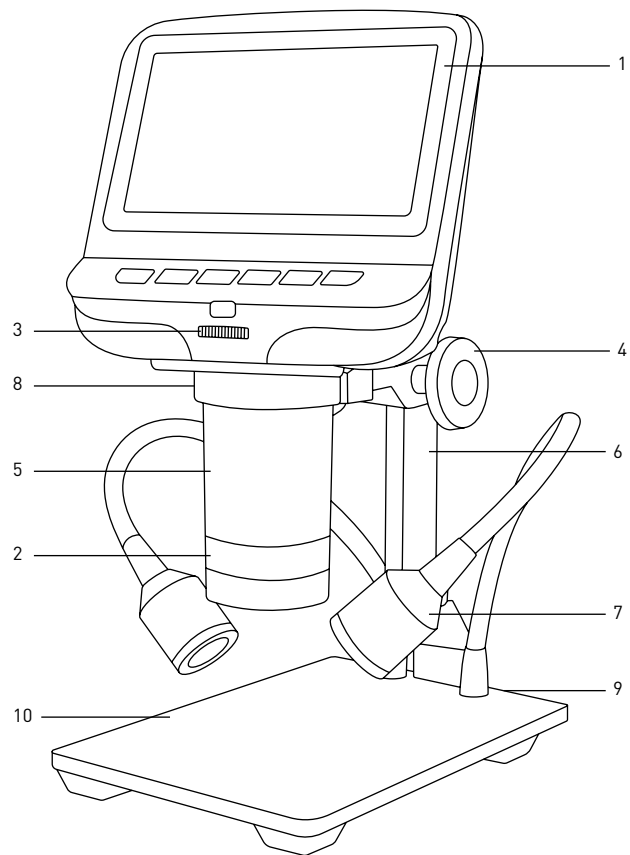


Levenhuk DTX RC Remote Controlled Microscopes

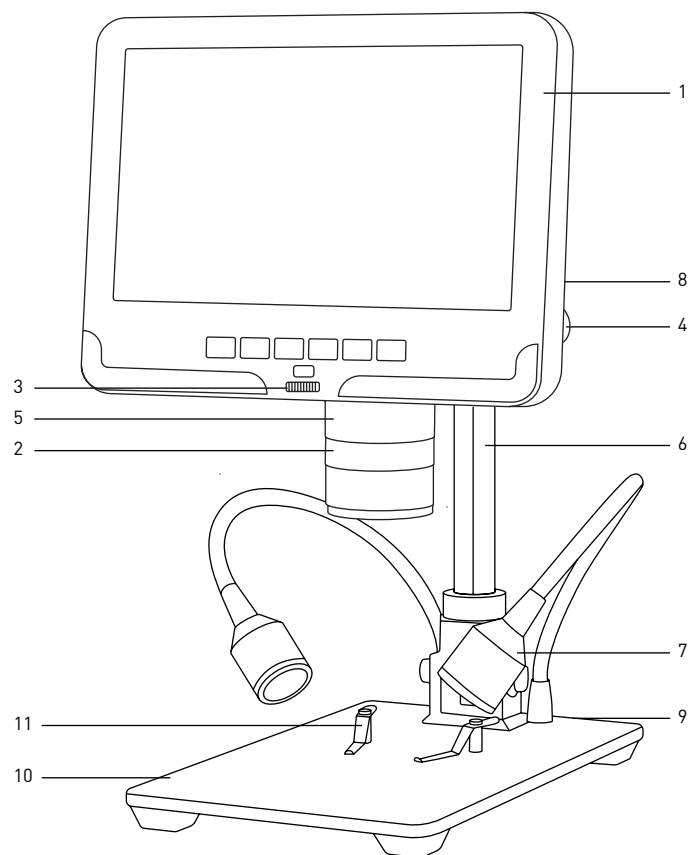


EN	User Manual
BG	Ръководство за потребителя
CZ	Návod k použití
DE	Bedienungsanleitung
ES	Guía del usuario
HU	Használati útmutató
IT	Guida all'utilizzo
PL	Instrukcja obsługi
PT	Manual do usuário
RU	Инструкция по эксплуатации
TR	Kullanım kılavuzu

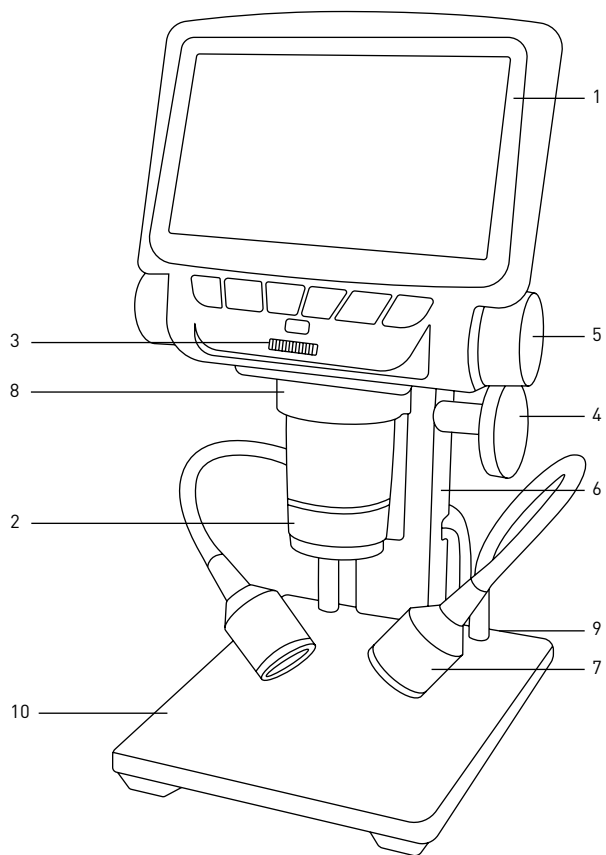
***Наслади се отблизо
Radost zaostřit
Zoom ran und hab Fun!
Amplíe y disfrute
Kellemes nagyítást!
Ingrandisci il divertimento
Radość przybliżania
Dê um zoom na sua emoção
Приближает с удовольствием***



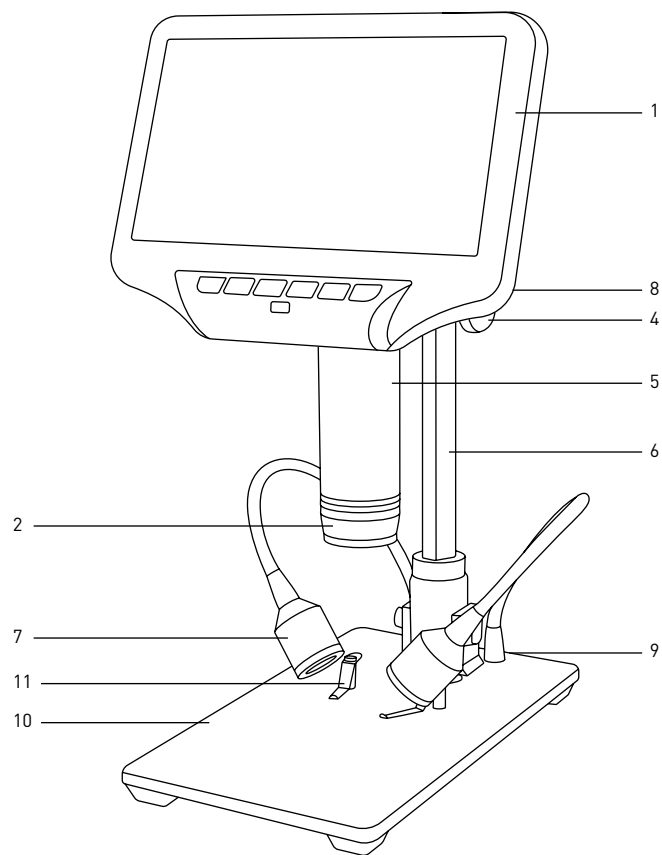
1a. Levenhuk DTX RC1



1b. Levenhuk DTX RC2



1c. Levenhuk DTX RC3



1d. Levenhuk DTX RC4

EN

1. LCD screen
2. Objective
3. Brightness adjustment knob (except RC4)
4. Coarse focusing knob
5. Optical zoom ring
6. Pole
7. Spotlights
8. LCD screen locking screw (not shown)
9. Power connector (not shown)
10. Stage
11. Specimen holders (RC2, RC4 only)

BG

1. Течнокристален екран
2. Обектив
3. Бутон за регулиране на яркостта (с изключение на RC4)
4. Бутон за грубо фокусиране
5. Пръстен за промяна на оптичното увеличение
6. Прът на стойката
7. Прожектори
8. Заклучващ винт на течнокристален екран (не е показан)
9. Съединител за захранването (не е показан)
10. Предметна маса
11. Държачи за образец (само за RC2, RC4)

CZ

1. LCD obrazovka
2. Objektiv
3. Knoflík pro nastavení jasu (kromě RC4)
4. Makrošroub pro hrubé zaostření
5. Kroužek optického zoomu
6. Sloupek
7. Bodové reflektory
8. Pojistný šroub LCD obrazovka (není zobrazen)
9. Konektor napájení (nezobrazeno)
10. Pracovní stolek
11. Držáky preparátů (pouze RC2, RC4)

DE

1. LCD-Bildschirm
2. Objektiv
3. Helligkeitsregler (außer RC4)
4. Grobtrieb
5. Optischer-Zoom-Ring
6. Stange
7. Punktbeleuchtung
8. LCD-Bildschirmfixierschraube (nicht abgebildet)
9. Stromanschluss (nicht abgebildet)
10. Objektisch
11. Probenhalter (nur RC2, RC4)

ES

1. Pantalla LCD
2. Objetivo
3. Mando de ajuste del brillo (excepto RC4)
4. Mando de enfoque aproximado
5. Anillo de zoom óptico
6. Varilla
7. Focos
8. Tornillo de bloqueo de la pantalla LCD (no se muestra)
9. Compartimento de la batería (no se muestra)
10. Platina
11. Porta muestras (solo RC2, RC4)

HU

1. LCD-kijelző
2. Objektív
3. Fényerősség állítógomb (kivéve: RC4)
4. Durva-fókuszállító gomb
5. Optikaizoom-állító gyűrű
6. Rúd
7. Spotlámpák
8. LCD képernyő rögzítő-csavar (nem látható)
9. Hálózati csatlakozó (nincs feltüntetve)
10. Tárgyasztal
11. Mintatartók (csak RC2, RC4)

IT

1. Schermo LCD
2. Obiettivo
3. Manopola di regolazione della luminosità (tranne RC4)
4. Manopola di messa a fuoco grossolana
5. Anello dello zoom ottico
6. Colonna
7. Faretti
8. Vite di fissaggio dello schermo LCD (non visibile)
9. Presa di alimentazione (non visibile)
10. Tavolino
11. Portacampione (solo RC2, RC4)

PL

1. Ekran LCD
2. Obiektyw
3. Pokrętko regulacji jasności (oprócz RC4)
4. Pokrętko zgrubnej regulacji ostrości
5. Pierścień powiększenia optycznego
6. Statyw
7. Oświetlenie punktowe
8. Śruba blokująca ekranu LCD (niepokazany)
9. Komora baterii (nie pokazano)
10. Stolik
11. Zaczepy do preparatów (tylko RC2, RC4)

PT

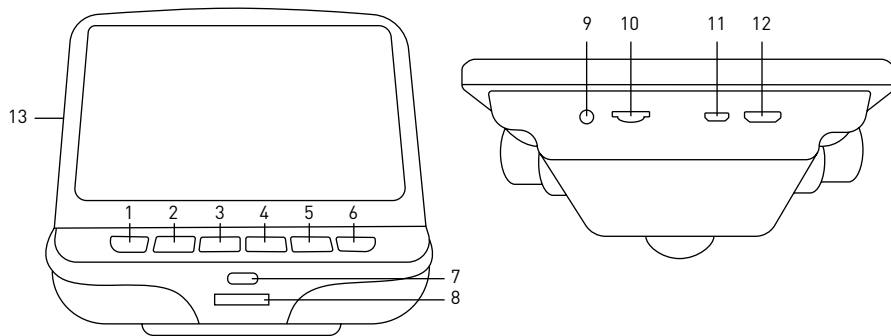
1. Ecrã LCD
2. Objetiva
3. Botão de ajuste do brilho (exceto RC4)
4. Botão de focagem grosseira
5. Anel de zoom ótico
6. Polo
7. Destaques
8. Parafuso de bloqueio do ecrã LCD (não apresentado)
9. Conector de alimentação (não apresentado)
10. Platina
11. Suportes de espécimes (apenas RC2, RC4)

RU

1. ЖК-экран
2. Объектив
3. Регулятор яркости подсветки (кроме RC4)
4. Ручка грубой фокусировки
5. Кольцо оптического увеличения
6. Штатив
7. Осветители
8. Фиксатор ЖК-экрана (не показан)
9. Гнездо сетевого адаптера (не показано)
10. Предметный столик
11. Держатели препарата (только RC2, RC4)

TR

1. LCD ekran
2. Objektif
3. Parlaklık ayar düğmesi (RC4 hariç)
4. Kaba odaklama düğmesi
5. Optik yakınlaştırma halkası
6. Montaj direği
7. Spot ışıkları
8. LCD ekran kilitleme vidası (gösterilmemiştir)
9. Güç konektörü (gösterilmemiştir)
10. Lamel yuvası
11. Örnek tutucular (yalnızca RC2, RC4)



2.

EN

1. Power on/off
2. Menu
3. Up
4. Down
5. OK
6. Capture
7. Infrared sensor
8. Brightness adjustment wheel (except RC4)
9. AV out (RC3 only)
10. SD slot
11. MicroUSB: output to PC
12. HDMI out (RC3, RC4 only)
13. Reset (not shown)

BG

1. Вкл./изкл. на захранването
2. Меню
3. Нагоре
4. Надолу
5. OK
6. Заснемане
7. Инфрачервен сензор
8. Колело за регулиране на яркостта (с изключение на RC4)
9. Изход за AV (само за RC3)
10. Слот за SD карта
11. MicroUSB: изход към компютър
12. Изход HDMI (само за RC3, RC4)
13. Нулиране (не е показан)

CZ

1. Vypínač napájení (zap/vyp)
2. Nabídka
3. Nahoru
4. Dolů
5. OK
6. Pořídít snímek
7. Infračervený snímač
8. Regulátor nastavení jasu (kromě RC4)
9. Výstup AV (pouze RC3)
10. Slot pro SD kartu
11. MicroUSB: výstup do PC
12. HDMI výstup (pouze RC3, RC4)
13. Resetovat (není zobrazeno)

DE

1. Ein-/Ausschalter
2. Menü
3. Aufwärts
4. Abwärts
5. OK
6. Aufnahme
7. Infrarotsensor
8. Helligkeitsregler (außer RC4)
9. AV-Ausgang (nur RC3)
10. SD-Kartensteckplatz
11. Micro-USB: PC-Anschluss
12. HDMI-Ausgang (nur RC3, RC4)
13. Zurücksetzen (nicht abgebildet)

ES

1. Encendido/apagado
2. Menú
3. Arriba
4. Abajo
5. OK
6. Captura
7. Sensor infrarrojo
8. Rueda de ajuste de brillo [excepto RC4]
9. Salida AV (solo RC3)
10. Ranura SD
11. MicroUSB: salida a PC
12. Salida HDMI (solo RC3, RC4)
13. Restablecer [no se muestra]

HU

1. Ki-/bekapcsoló gomb
2. Menü
3. Fel
4. Le
5. OK
6. Felvétel
7. Infravörös érzékelő
8. Fényerő szabályzókerék (kivéve: RC4)
9. AV kimenet (csak RC3)
10. SD-hely
11. Micro-USB: kimenet számítógéphez
12. HDMI kimenet (csak RC3, RC4)
13. Visszaállítás (nincs feltüntetve)

IT

1. Interruttore on/off
2. Menù
3. Su
4. Giù
5. OK
6. Cattura
7. Sensore a infrarossi
8. Rotella regolazione luminosità (tranne RC4)
9. Uscita AV (solo RC3)
10. Slot SD
11. Micro-USB: uscita PC
12. Uscita HDMI (solo RC3, RC4)
13. Reset (non visibile)

PL

1. Wł./wyt. zasilania
2. Menu
3. W górę
4. W dół
5. OK
6. Rejestrowanie
7. Czujnik podczerwieni
8. Pokrętło regulacji jasności (oprócz RC4)
9. Wyjście AV (tylko RC3)
10. Gniazdo karty SD
11. Micro USB: wyjście do komputera
12. Gniazdo wyjściowe HDMI (tylko RC3, RC4)
13. Resetuj (nie pokazany)

PT

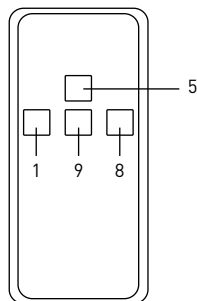
1. Ligar/desligar
2. Menu
3. Para cima
4. Para baixo
5. OK
6. Capturar
7. Sensor infravermelho
8. Roda de ajuste do brilho (exceto RC4)
9. Saída AV (apenas RC3)
10. Ranhura SD
11. MicroUSB: saída para PC
12. Saída de HDMI (apenas RC3, RC4)
13. Repor (não apresentado)

RU

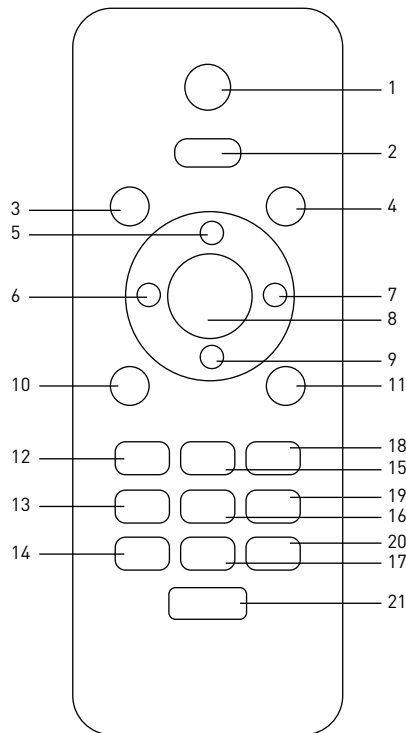
1. Кнопка вкл./выкл. питания
2. Кнопка «Меню»
3. Кнопка «Вверх»
4. Кнопка «Вниз»
5. Кнопка «OK»
6. Кнопка «Съемка»
7. Инфракрасный датчик
8. Кольцо регулировки яркости (кроме RC4)
9. Разъем AV (только RC3)
10. Разъем карты SD
11. Разъем microUSB
12. HDMI-разъем (кроме RC3, RC4)
13. Кнопка «Перезагрузка» (не показана)

TR

1. Güç açma/kapama
2. Menü
3. Yukarı
4. Aşağı
5. Tamam
6. Kaydet
7. Kızılötesi sensör
8. Parlaklık ayar tekeri (RC4 hariç)
9. AV çıkışı (yalnızca RC3)
10. SD yuvası
11. Micro USB: bilgisayara olan çıkış
12. HDMI çıkışı (yalnızca RC3, RC4)
13. Sıfırlama (gösterilmemiştir)



3a. Levenhuk DTX RC1



3b. Levenhuk DTX RC2, RC3, RC4

EN

1. Capture
2. Menu
3. Frozen
4. Mode
5. Zoom up
6. Brightness down
7. Brightness up
8. OK
9. Zoom down
10. 50/60Hz
11. Cross line
12. Sharpness down
13. Contrast down
14. Inverse
15. Sharpness up
16. Contrast up
17. Black&white
18. Lock/unlock file
19. NTL/PAL
20. Default set
21. Image rotate

BG

1. Заснемане
2. Меню
3. Застиване
4. Режим
5. Увеличаване
6. Намаляване на яркостта
7. Увеличаване на яркостта
8. OK
9. Намаляване на увеличението
10. 50/60 Hz
11. Напречна линия
12. Намаляване на отчетливостта
13. Намаляване на контраста
14. Обръщане
15. Увеличаване на отчетливостта
16. Увеличаване на контраста
17. Чернобяло
18. Заклучване/отключване на файл
19. NTL/PAL
20. Настройка по подразбиране
21. Завъртане на изображение

CZ

1. Pořídít snímek
2. Nabídka
3. Nehybné
4. Režim
5. Zvětšit zoom
6. Snížit jas
7. Zvýšit jas
8. OK
9. Zmenšit zoom
10. 50/60 Hz
11. Překročit čáru
12. Snížit ostrost
13. Snížit kontrast
14. Negativ
15. Zvýšit ostrost
16. Zvýšit kontrast
17. Černobilá
18. Zamknout/odemknout soubor
19. NTL/PAL
20. Výchozí sada
21. Otočit snímek

DE

1. Aufnahme
2. Menü
3. Eingefroren
4. Modus
5. Zoom +
6. Helligkeit –
7. Helligkeit +
8. OK
9. Zoom –
10. 50/60 Hz
11. Kreuzlinie
12. Schärfe –
13. Kontrast –
14. Invers
15. Schärfe +
16. Kontrast +
17. Schwarzweiß
18. Datei sperren/entsperren
19. NTL/PAL
20. Standardset
21. Bilddrehung

ES

1. Captura
2. Menú
3. Inmovilizado
4. Modo
5. Aumentar ampliación
6. Reducir brillo
7. Aumentar brillo
8. OK
9. Reducir ampliación
10. 50/60Hz
11. Reticula en cruz
12. Reducir nitidez
13. Reducir contraste
14. Inverso
15. Aumentar nitidez
16. Aumentar contraste
17. Blanco y negro
18. Bloquear/desbloquear archivo
19. NTL/PAL
20. Kit predeterminado
21. Rotación de imagen

HU

1. Felvétel
2. Menü
3. Kimerevített
4. Üzem mód
5. Közelítés
6. Fényerő csökkentése
7. Fényerő növelése
8. OK
9. Távoltítás
10. 50/60 Hz
11. Keresztvonal
12. Élesség csökkentése
13. Kontraszt csökkentése
14. Inverz
15. Élesség növelése
16. Kontraszt növelése
17. Fekete-fehér
18. Fájl zárolása/feloldása
19. NTL/PAL
20. Alapértelmezett beállítás
21. Kép elforgatása

IT

1. Cattura
2. Menù
3. Bloccato
4. Modalità
5. Aumenta zoom
6. Diminuisci luminosità
7. Aumenta luminosità
8. OK
9. Diminuisci zoom
10. 50/60 Hz
11. Mirino
12. Diminuisci nitidezza
13. Diminuisci contrasto
14. Inverso
15. Aumenta nitidezza
16. Aumenta contrasto
17. Bianco e nero
18. Blocca/sblocca file
19. NTL/PAL
20. Imposta predefinito
21. Ruota immagine

PL

1. Rejestrowanie
2. Menu
3. Tryb wstrzymania
4. Tryb
5. Powiększenie
6. Zmniejszenie jasności
7. Zwiększenie jasności
8. OK
9. Oddalenie
10. 50/60 Hz
11. Linia z podziałką
12. Zmniejszenie ostrości
13. Zmniejszenie kontrastu
14. Odwrócenie
15. Zwiększenie ostrości
16. Zwiększenie kontrastu
17. Czarno-biały
18. Zablokowanie/odblokowanie pliku
19. NTL/PAL
20. Ustawienia domyślne
21. Obrócenie obrazu

PT

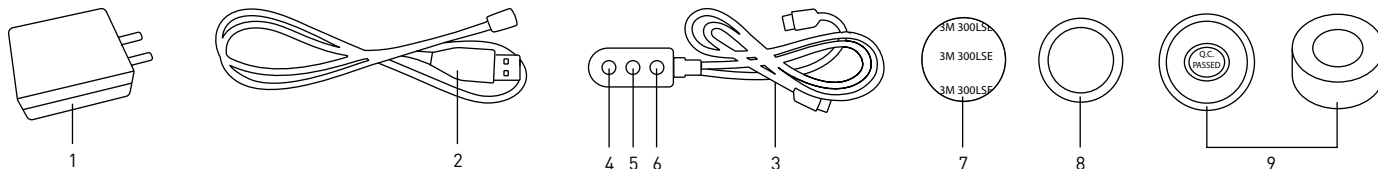
1. Capturar
2. Menu
3. Bloqueado
4. Modo
5. Aumentar zoom
6. Diminuir luminosidade
7. Aumentar luminosidade
8. OK
9. Diminuir zoom
10. 50/60 Hz
11. Linha transversal
12. Diminuir nitidez
13. Diminuir contraste
14. Inverso
15. Aumentar nitidez
16. Aumentar contraste
17. Preto e branco
18. Bloquear/desbloquear ficheiro
19. NTL/PAL
20. Predefinição
21. Rotação de imagem

RU

1. Кнопка «Съемка»
2. Кнопка «Меню»
3. Кнопка «Стоп-кадр»
4. Кнопка «Режим»
5. Кнопка «Увеличение»
6. Кнопка уменьшения яркости
7. Кнопка увеличения яркости
8. Кнопка «OK»
9. Кнопка «Уменьшение»
10. Кнопка переключения частоты между 50 и 60 Гц
11. Кнопка отображения сетки
12. Кнопка уменьшения резкости
13. Кнопка уменьшения контраста
14. Кнопка фотоэффекта «Негатив»
15. Кнопка увеличения резкости
16. Кнопка увеличения контраста
17. Кнопка фотоэффекта «Черное/белое»
18. Кнопка блокировки/разблокировки файла
19. Кнопка переключения форматов NTL/PAL
20. Кнопка «Заводские настройки»
21. Кнопка «Поворот изображения»

TR

1. Kaydet
2. Menü
3. Donuk
4. Mod
5. Yakınlaştır
6. Parlaklığı azalt
7. Parlaklığı artır
8. Tamam
9. Uzaklaştır
10. 50/60 Hz
11. Çapraz çizgi
12. Netliği düşür
13. Kontrastı düşür
14. Ters çevir
15. Netliği yükselt
16. Kontrastı yükselt
17. Siyah ve beyaz
18. Dosyayı Kilitli/kilidini aç
19. NTL/PAL
20. Varsayılan set
21. Görüntü döndürme



4.

EN

1. DC adapter
2. USB cable (RC1, RC3 only)
3. Switch cable
4. Brightness down
5. Brightness up
6. On/Off
7. 3M sticker (RC1 only)
8. UV filter
9. Lens covers (RC1 only)

BG

1. DC адаптер
2. USB кабел (само за RC1, RC3)
3. Кабел за включване
4. Намаляване на яркостта
5. Увеличаване на яркостта
6. Вкл./Изкл.
7. 3M стикер (само за RC1)
8. UV филтър
9. Капаци на обектива (само за RC1)

CZ

1. Stejnoseměrný adaptér
2. Kabel USB (pouze RC1, RC3)
3. Vyměnit kabel
4. Snížit jas
5. Zvýšit jas
6. Zap/Vyp
7. Nálepka 3M (pouze RC1)
8. UV filtr
9. Ochranné kryty zorníku (pouze RC1)

DE

1. Netzteil
2. USB-Kabel (nur RC1, RC3)
3. Kabelschalter
4. Helligkeit –
5. Helligkeit +
6. Ein/Aus
7. 3M-Klebestreifen (nur RC1)
8. UV-Filter
9. Objektivabdeckung (nur RC1)

ES

1. Adaptador de CC
2. Cable USB (solo RC1, RC3)
3. Cable de conmutación
4. Reducir brillo
5. Aumentar brillo
6. Encendido/Apagado
7. Cinta adhesiva 3M (solo RC1)
8. Filtro UV
9. Cubiertas de lentes (solo RC1)

HU

1. Hálózati adapter
2. USB-kábel (csak RC1, RC3)
3. Kapcsolókábel
4. Fényerő csökkentése
5. Fényerő növelése
6. Főkapcsoló
7. 3M matrica (csak RC1)
8. UV-szűrő
9. Lencsesapkáék (csak RC1)

IT

1. Adattatore DC
2. Cavo USB (solo RC1, RC3)
3. Cavo interruttore
4. Diminuisci luminosità
5. Aumenta luminosità
6. On/Off
7. Adesivo 3M (solo RC1)
8. Filtro UV
9. Coperture delle lenti (solo RC1)

PL

1. Zasilacz
2. Przewód USB (tylko RC1, RC3)
3. Przewód przełączający
4. Zmniejszenie jasności
5. Zwiększenie jasności
6. Wł./Wyt.
7. Naklejka 3M (tylko RC1)
8. Filtr ultrafioletowy
9. Osłona soczewki (tylko RC1)

PT

1. Adaptador de CC
2. Cabo USB (apenas RC1, RC3)
3. Cabo do interruptor
4. Diminuir luminosidade
5. Aumentar luminosidade
6. Ligado/Desligado
7. Autocolante 3M (apenas RC1)
8. Filtro UV
9. Tampas da lente (apenas RC1)

RU

1. Адаптер постоянного тока
2. USB-кабель (только RC1, RC3)
3. Пульт управления яркостью подсветки с кабелем подключения и питания
4. Кнопка уменьшения яркости подсветки
5. Кнопка увеличения яркости подсветки
6. Кнопка вкл./выкл. подсветки
7. Стикер 3M (только RC1)
8. UV-фильтр
9. Крышки объектива (только RC1)

TR

1. DC adaptörü
2. USB kablo (yalnızca RC1, RC3)
3. Düğmeli kablo
4. Parlaklığı azalt
5. Parlaklığı artır
6. Aç/Kapat
7. 3M yapışkanları (yalnızca RC1)
8. UV filtresi
9. Mercek kapakları (yalnızca RC1)

Levenhuk DTX RC

Remote Controlled

Microscopes

EN

Please refer to fig. 1 (device), 2 (LCD screen), 3 (control panel), and 4 (accessories). Find your microscope model and view all of the details of the device.

Getting started

- Unpack the microscope carefully and place it on a flat surface.
- Use the supplied hardware to secure the pole and specimen holders to the base using the supplied hardware.
- Install the LCD screen on the pole and tighten the locking screw.
- Plug the power cable into the corresponding connectors on the base and on the LCD screen, and then the backlight and screen will turn on automatically.
- Press and hold the "Power on/off" button for 2 seconds on the screen to turn the screen on and off.

A microSD card (purchased separately) is required to save captured images and recorded videos. Turn the microscope off and insert the microSD card into the corresponding slot on the microscope body until it locks in place with a click. Do not apply excessive force when inserting the microSD card. Try rotating the card, if it does not lock in place with ease.

If the LCD screen freezes, look for the "Reset" button on the back of the LCD screen. Use a narrow object, such as a straightened paperclip, to press the button. This will reset all of the settings to the factory defaults and restart the LCD screen. Saved photos or videos will not be deleted.

UV filter

Use a 3M sticker to stick the UV filter and lens cover together. The threaded side of the filter must be glued to the lens cover.

Caution: Please refer to the specifications table for the correct mains voltage and never attempt to plug a 110V device into 220V outlet and vice versa without using a converter. Remember that mains voltage in the U.S. and Canada is 110V and 220–240V in most European countries.

Application menu



Video mode



00:01 Video recording



Photo mode



Capture an image



MicroSD status icon



Still image mode



Review mode

Digital magnification

During observations, press the "Up" button to enlarge the image and the "Down" button to reduce the image.

Capturing an image

1. Turn the microscope on and place a specimen on the stage.
2. Set the objective to the desired height using the coarse focusing knob.
3. Adjust the illumination brightness, so that the specimen is evenly lit.
4. Adjust the magnification and sharpness of the image by rotating the coarse focus knob and optical zoom ring.
5. To take a photo, press the "Capture" button.
6. In "Freeze" mode, briefly press the "OK" button to take a picture (except RC1).

Recording a video

1. Press the "Video" button to switch to video mode. The icon in the upper left corner of the screen will change in confirmation.
2. Press the "OK" button to start recording. **Note:** do not hold down the "OK" button; instead, briefly press and release it.
3. Press the "OK" button again to stop recording.
4. Press the "Capture" button to take a picture while the microscope is recording a video. If you take a photo this way, the image resolution may not be as high as the video resolution – the image quality will be lower.

View photos and videos

1. Insert the microSD card into the SD slot.
2. Press the "Video" button twice to turn on the viewing mode.
3. Press the "Right" and "Left" buttons to view the pictures and videos. Press the "Capture" button to start playing the video.

Use with a computer and TV

View on a computer (RC1, RC3 only)

AMCAP, ViewPlayCap, and Microscope Measure programs can be download from the official Levenhuk website.

Levenhuk DTX RC1

Windows 7/8/10, Mac OS:

1. Install the **AMCAP** (Windows 7/8) or **ViewPlayCap** (Windows 10) software on the computer. The **PC camera** icon will appear on your desktop after the installation of the software is complete.
2. Use the "Power on/off" button to turn off the LCD screen.
3. Use the USB cable for connecting the LCD screen to the computer.
4. Click the **PC camera** icon on your computer's desktop to start viewing.
5. Microscope can be directly connected to Mac OS by simply opening the system's native camera.

Levenhuk DTX RC3

Windows XP SP3/7/8/10:

1. Install the **Microscope Measure** software on the computer. The **Microscope Measure** icon will appear on your desktop after the installation of the software is complete.
2. Use the "Power on/off" button to turn off the LCD screen.
3. Use the USB cable for connecting the LCD screen to the computer.
4. Click the **Microscope Measure** icon on your computer's desktop to start viewing.

Connecting to a TV/monitor with an AV connector (RC3 only)

1. Connect the microscope to the mains.
2. Use an AV cable (not included) for connecting the LCD screen to the TV/monitor. The image on the LCD screen turns off and the display on the connected screen starts.
3. Now, you can start viewing on the screen. If a microSD card is inserted into the microscope, you can take and save photos. Video recording function is not available in this display mode.

Connecting to a TV/monitor with an HDMI connector (RC3, RC4 only)

1. Connect the microscope to the mains.
2. Use an HDMI cable (included) for connecting the LCD screen to the TV/monitor. The image on the LCD screen turns off and the display on the connected screen starts.

3. Now, you can start viewing on the screen. If a microSD card is inserted into the microscope, you can take and save photos. Video recording function is not available in this display mode.

Setup

Press the "Menu" button to go to the settings menu of the LCD screen Use the control buttons to select the required parameters. Press the "Menu" button again to save the selected parameters. Do not turn off the power of the microscope while saving the settings.

Specifications

Product ID	76821	76822	76823	76824
Model	Levenhuk DTX RC1	Levenhuk DTX RC2	Levenhuk DTX RC3	Levenhuk DTX RC4
Digital magnification	3–220x	3–200x	5–260x	5–270x
Optical magnification	3–55x	3–50x	5–15x	5–40x
Optics material	optical glass			
Body	plastic			
Stage	100x160mm	120x200mm, with specimen holders	120x170mm	120x200mm, with specimen holders
Focus	coarse, 23mm	coarse, 150mm	coarse, 100mm	coarse, 77mm
Illumination	upper LED (2 illuminators on flexible arms and illumination inside the objective)		upper LED (2 illuminators on flexible arms)	
UV filter	+			
Rotatable color LCD screen	4.3"	7"	5"	7"
Megapixels (sensor/image)	1/12	2/12	3/12	4/24
Max. resolution (image/video)	4032x3024px/1920x1080px		4032x3024px/1920x1080px	5600x4200px/1920x1080px
Image/video format	*.jpg/*.avi		*.jpg/*.mov	*.jpg/*.mp4
Sensor	1/4	1/2.9	1/3	
Pixel size	3.0µm	2.8µm	2.2µm	2.0µm
Sensitivity	highly sensitive sensor	3800mV/Lux-s	2000mV/Lux-s	1900mV/Lux-s
Spectral range	410–1100nm			
Manual settings	white balance, exposure control			
Output (connectors)	microSD, microUSB	microSD, microUSB	microSD, microUSB, HDMI, AV	microSD, microUSB, HDMI
Operating system	Windows 7/8/10, Mac OS	–	Windows XP SP3/7/8/10	–
Power supply (microscope)	110–220V; 5V, 2A via USB cable			
Power supply (IR remote)	1pc CR2025 batteries	2pcs AAA batteries		
Operating temperature range	–20...+70 °C (–4...+158 °F)			

Levenhuk reserves the right to modify or discontinue any product without prior notice.

Care and maintenance

- **Never, under any circumstances, look directly at the Sun, another bright source of light or at a laser through this device, as this may cause PERMANENT RETINAL DAMAGE and may lead to BLINDNESS.**
- Take necessary precautions when using the device with children or others who have not read or who do not fully understand these instructions.
- After unpacking your microscope and before using it for the first time check for integrity and durability of every component and connection.
- Do not try to disassemble the device on your own for any reason. For repairs and cleaning of any kind, please contact your local specialized service center.
- Protect the device from sudden impact and excessive mechanical force. Do not apply excessive pressure when adjusting focus. Do not overtighten the locking screws.
- Do not touch the optical surfaces with your fingers. To clean the device exterior, use only special cleaning wipes and special optics cleaning tools from Levenhuk. Do not use any corrosive or acetone-based fluids to clean the optics.
- Abrasive particles, such as sand, should not be wiped off lenses, but instead blown off or brushed away with a soft brush.
- Do not use the device for lengthy periods of time, or leave it unattended in direct sunlight. Keep the device away from water and high humidity.
- Be careful during your observations, always replace the dust cover after you are finished with observations to protect the device from dust and stains.
- If you are not using your microscope for extended periods of time, store the objective lenses and eyepieces separately from the microscope.
- Store the device in a dry, cool place away from hazardous acids and other chemicals, away from heaters, open fire and other sources of high temperatures.
- When using the microscope, try not to use it near flammable materials or substances (benzene, paper, cardboard, plastic, etc.), as the base may heat up during use, and might become a fire hazard.
- Always unplug the microscope from a power source before opening the base or changing the illumination lamp. Regardless of the lamp type (halogen or incandescent), give it some time to cool down before trying to change it, and always change it to a lamp of the same type.
- Always use the power supply with the proper voltage, i.e. indicated in the specifications of your new microscope. Plugging the instrument into a different power outlet may damage the electric circuitry of the microscope, burn out the lamp, or even cause a short circuit.
- **Seek medical advice immediately if a small part or a battery is swallowed.**

Battery safety instructions

- Always purchase the correct size and grade of battery most suitable for the intended use.
- Always replace the whole set of batteries at one time; taking care not to mix old and new ones, or batteries of different types.
- Clean the battery contacts and also those of the device prior to battery installation.
- Make sure the batteries are installed correctly with regard to polarity (+ and -).
- Remove batteries from equipment that is not to be used for an extended period of time.
- Remove used batteries promptly.
- Never attempt to recharge primary batteries as this may cause leakage, fire, or explosion.
- Never short-circuit batteries as this may lead to high temperatures, leakage, or explosion.
- Never heat batteries in order to revive them.
- Do not disassemble batteries.
- Remember to switch off devices after use.
- Keep batteries out of the reach of children, to avoid risk of ingestion, suffocation, or poisoning.
- Utilize used batteries as prescribed by your country laws.

Levenhuk International Lifetime Warranty

All Levenhuk telescopes, microscopes, binoculars, and other optical products, except for their accessories, carry a **lifetime warranty** against defects in materials and workmanship. A lifetime warranty is a guarantee on the lifetime of the product on the market. All Levenhuk accessories are warranted to be free of defects in materials and workmanship for **six months** from the purchase date. The warranty entitles you to the free repair or replacement of the Levenhuk product in any country where a Levenhuk office is located if all the warranty conditions are met.

For further details, please visit: www.levenhuk.com/warranty

If warranty problems arise, or if you need assistance in using your product, contact the local Levenhuk branch.